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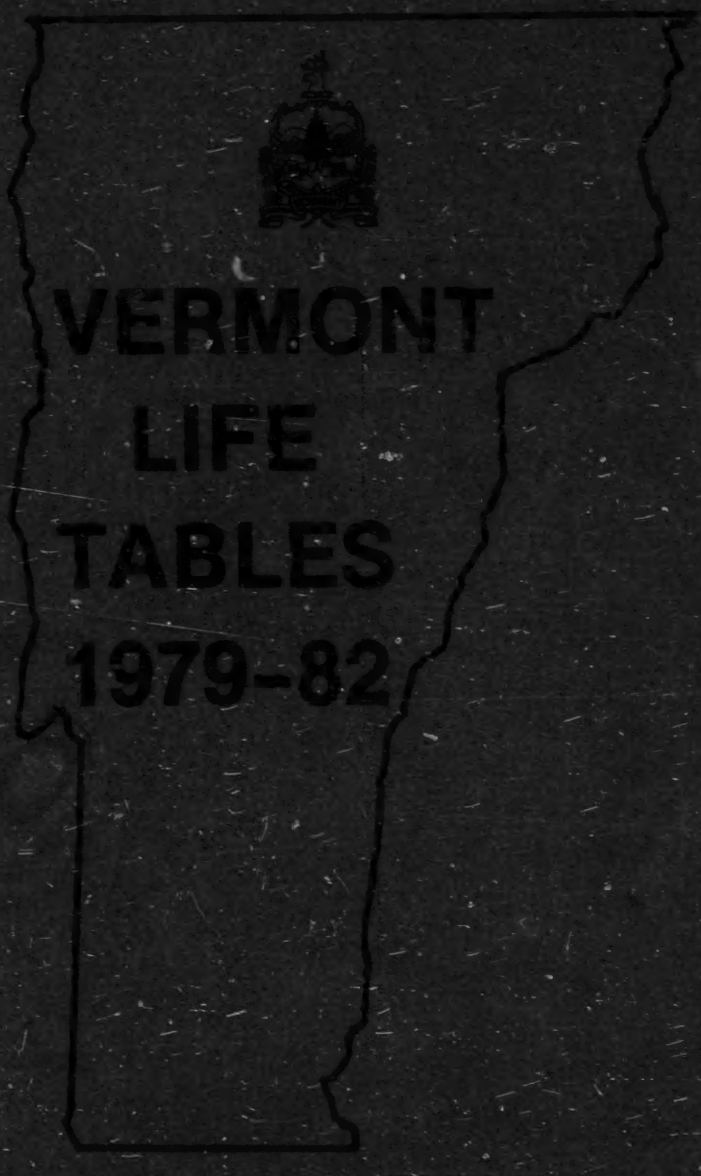

THE STATE OF VERMONT

AGENCY OF HUMAN SERVICES

GRETCHEN MORSE

Secretary

DEPARTMENT OF HEALTH

ROBERTA R. COFFIN, M.D.

Commissioner

VERMONT LIFE TABLES

1979-1982

Division of Public Health Statistics
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Mary Anne Freedman, Director

October 1985

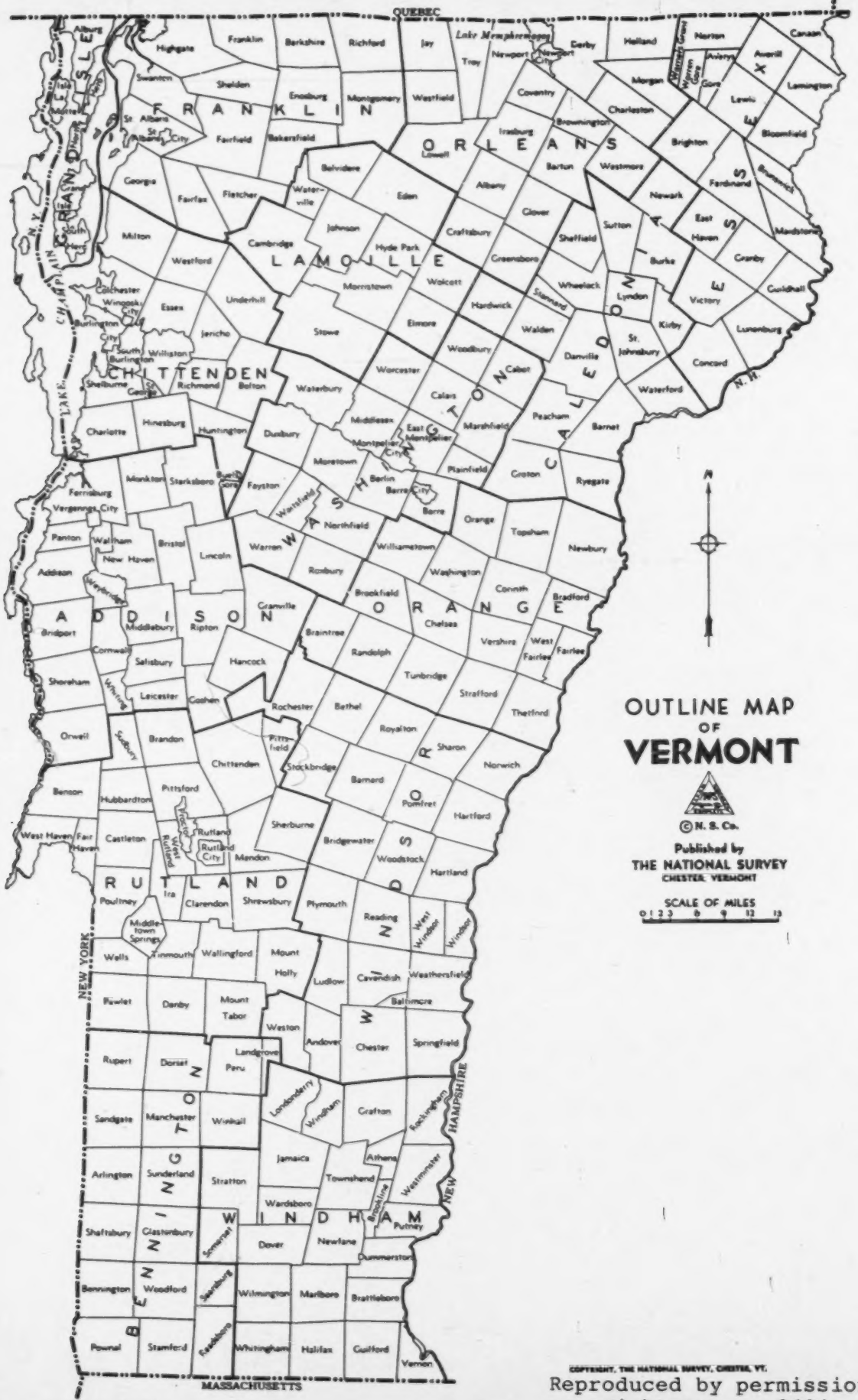
FOREWORD

Mortality statistics provide important indicators of the health status of a population. One method of analyzing mortality is through the construction of life tables. The primary objective of this publication is to utilize such techniques to examine the mortality experience of Vermont residents during the period 1979-82. The method of C.L. Chiang[1/] was used to construct the life tables.

The information in this report is divided into three sections: (I) Summary Statistics and Trends, 1960-1980; (II) Abridged Life Tables from 1979-82 deaths, by sex, for Vermont and its counties; (III) Abridged Life Tables, 1979-82, for Vermont by sex, with eight major causes of death eliminated.

This report was prepared by Walter L. Cooley, MPH, and Steven Kappel, with help from the Division Director and the supporting staff of the Division of Public Health Statistics. It supercedes and updates the previous report, Vermont Life Tables, 1973-1977, March 1979.

1/ See Appendix C for references.



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SECTION I

INTRODUCTION

Expectation of life at birth is probably the most familiar life table statistic. This is the number of years a person could be expected to live if the mortality experience used to construct the life table (e.g. 1979-82) were to prevail throughout his/her lifetime. Thus, these are CURRENT or PERIOD life tables, in contrast to GENERATION or COHORT life tables which would follow a single cohort of persons through life. Figure I-1 presents the change in life expectancy (e) at birth and at ages 30 and 65 for each sex from 1960 to 1980. During this 20 year period the life expectancy of Vermont males at birth increased from 67.26 to 71.07 (5.7%), and that of Vermont females from 74.14 to 78.67 (6.1%). The gains have been greater during the latter decade of this period (see Table I-2). Figure I-2 presents the difference in life expectancy between the sexes, 1960-1980. For the younger ages, this difference peaked in 1975 and has reduced some since that date.

In 1980, life expectancies for the nation are slightly lower than those for Vermont. Life expectancy at birth for all U.S. males was 70.0 years and for U.S. white males was 70.7 years.[2/] The gain for U.S. white males over the period 1960-1980 was 4.7%, a little less than the Vermont gain.[3/] Life expectancy at birth for total U.S. females in 1980 was 77.5 years and for U.S. white females was 78.1 years.[2/] The gain for U.S. white females over the 20 year period was 5.3%,[3/] again a little less than the Vermont gain.

Figures I-3 and I-4 present the curves of the whole range of changing life expectancy from birth to age 85, by sex. These figures show the greater gains of the last decade, particularly for males. Because deaths during the first year of life (infant deaths) are greater than during a number of succeeding years, there is a "hook" or dicontinuity at the beginning of the life expectancy curve. To illustrate this better, Figure I-5 presents an enlargement of the curves from birth to 10 years of age. The straightening out of the hook in the most recent period is related to the more rapid reduction in the infant death rates (see Table I-3), than to changes in other age-specific rates.

Another way to exhibit changing life expectancy is what we have entitled "Expectation of Total Life", i.e., the sum of the attained age plus the years remaining (e). (Figure I-6 and Table I-4). For example, a woman who reaches age 50 can, on the average, expect to live to 81.2; a man who reaches age 50 can expect to live to only age 75.1. Reading across the graph, a man would need to live to about age 70 to expect to reach 81.2, while a woman reaches that expectation at age 50.

Note: For a small state like Vermont, five years of deaths centering around the decennial Census population are generally used to calculate age-sex specific mortality rates for life table construction. However, for the most recent period, 1979-82, only four years of deaths were used with the 1980 Census population. This modification was necessary because the Ninth Revision of the International Classification of Diseases,[4/] the coding system used to classify cause of death, was not implemented until January 1, 1979. This procedural modification had a minimal effect on the results. An estimated January 1, 1981 population - the mid-point of the 1979-82 death span - is 0.5% greater than the April 1, 1980 Census population. Had we used this mid-point population estimate, we would have observed slightly lower age-specific death rates and smaller probabilities of dying (Q). This would have increased life expectancy by 0.07 years (0.09%) at birth, 0.05 years (0.18%) at age 50, and 0.03 years (0.47%) at age 85. Thus the expectations of life published in this report are conservative by a negligible amount.

FIGURE I-1

EXPECTATION OF LIFE BY AGE AND SEX, VERMONT, 1960-1980

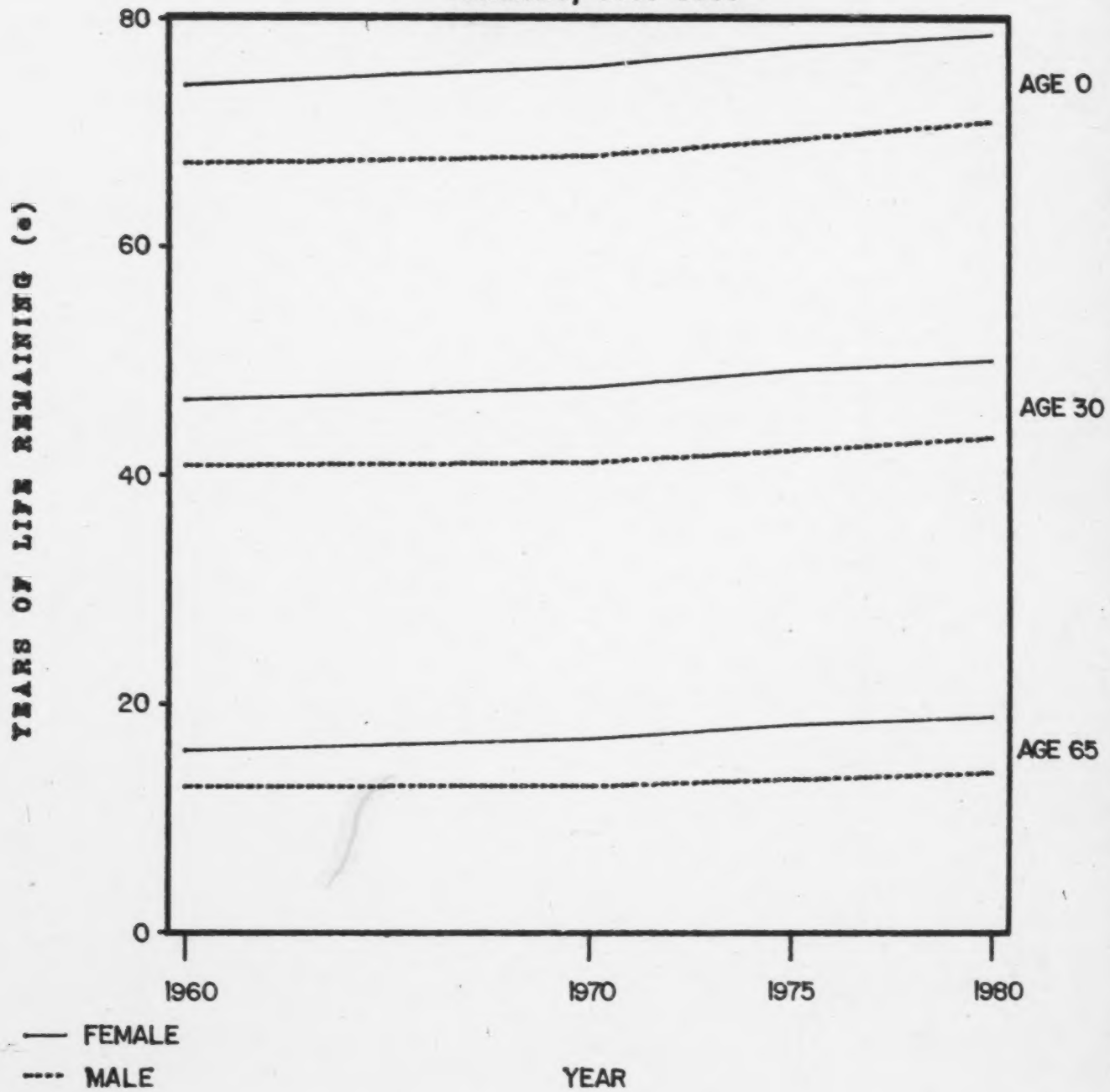
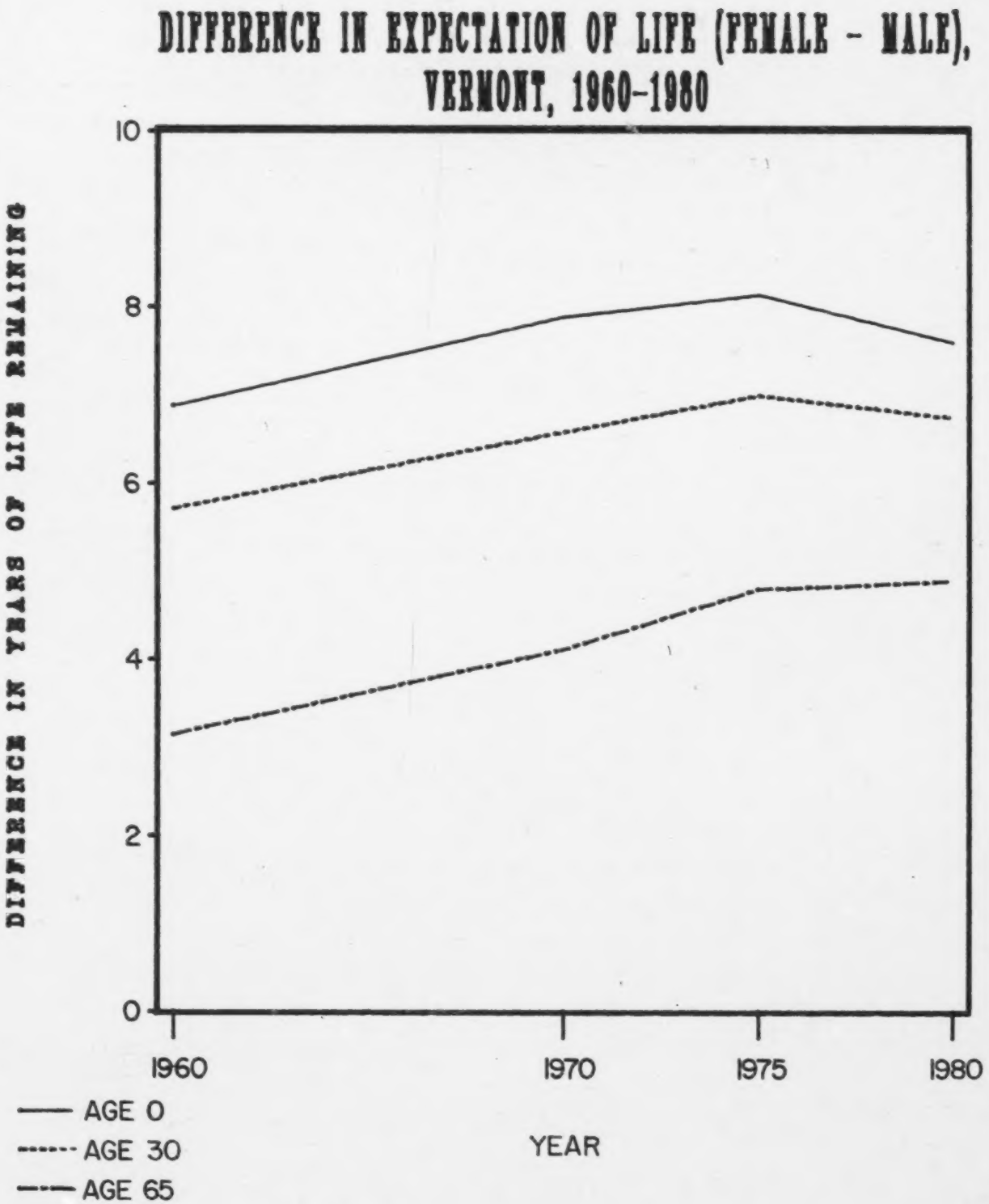


FIGURE I-2


DIFFERENCE IN EXPECTATION OF LIFE (FEMALE - MALE), VERMONT, 1960-1980
DIFFERENCE IN YEARS OF LIFE REMAINING
10
8
6
4
2
0
1960
1970
1975
1980
YEAR
AGE 0
AGE 30
AGE 65

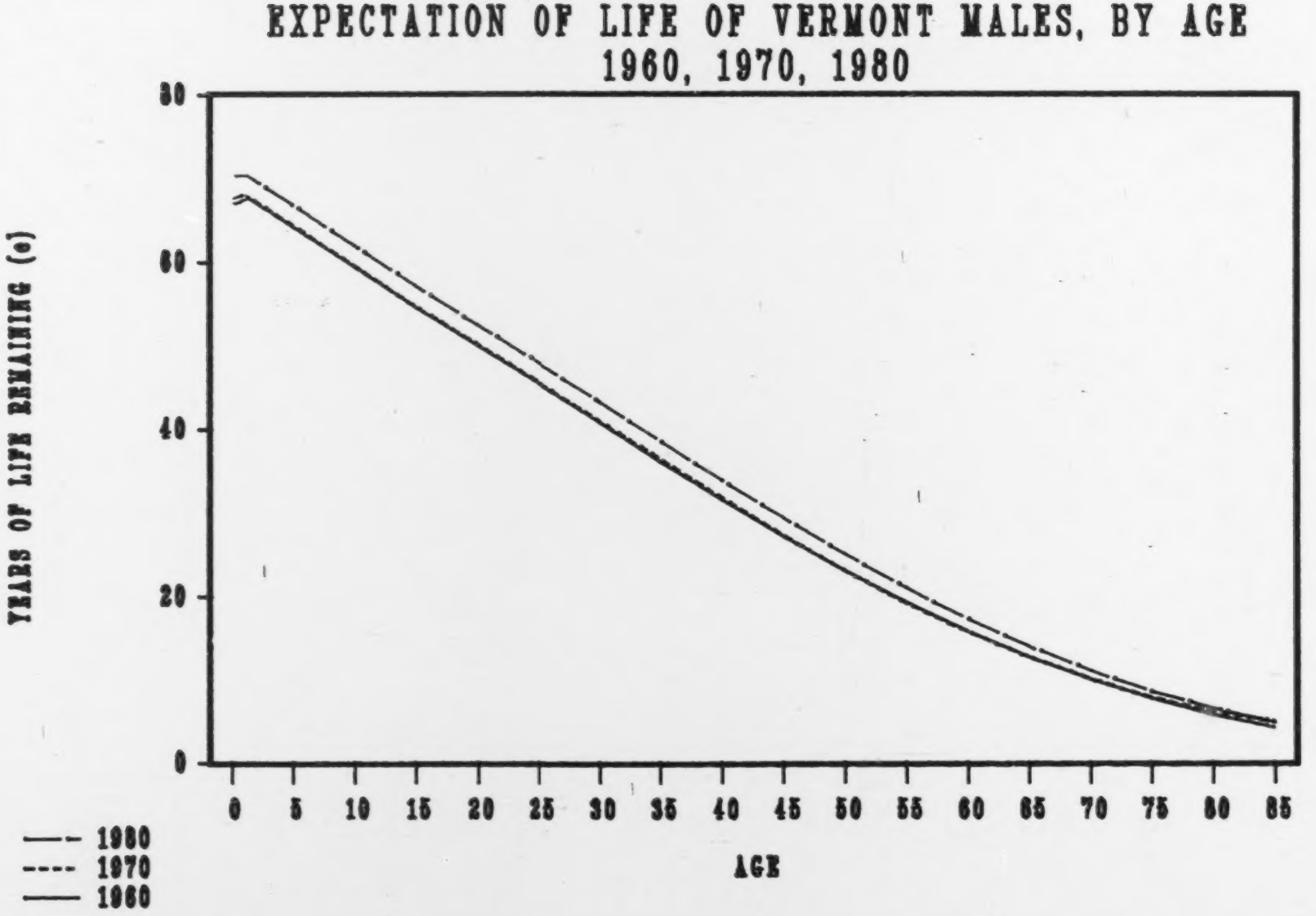

EXPECTATION OF LIFE OF VERMONT MALES, BY AGE
1960, 1970, 1980
YEARS OF LIFE REMAINING (e)
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
AGE
1980
1970
1960

FIGURE I-3

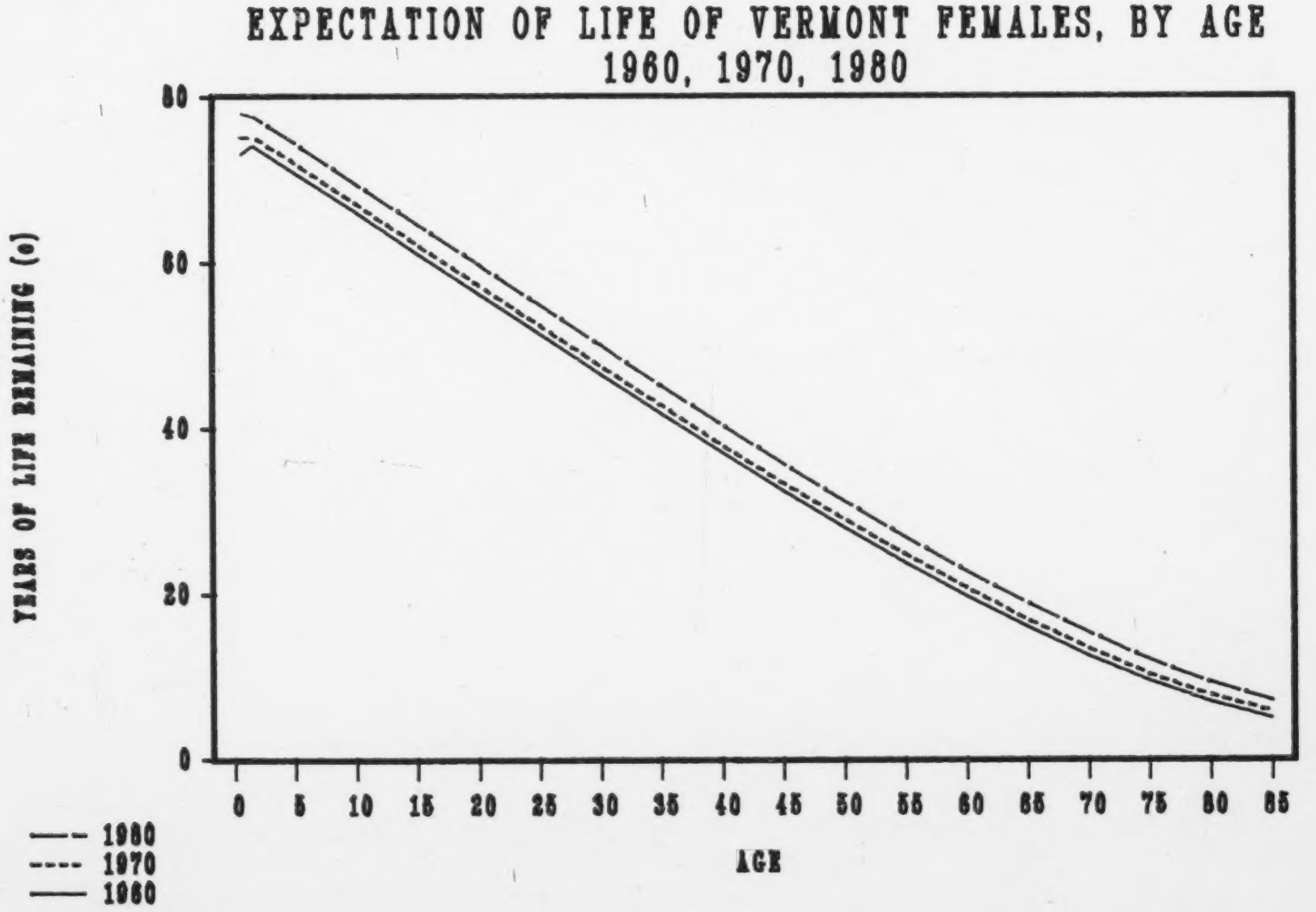
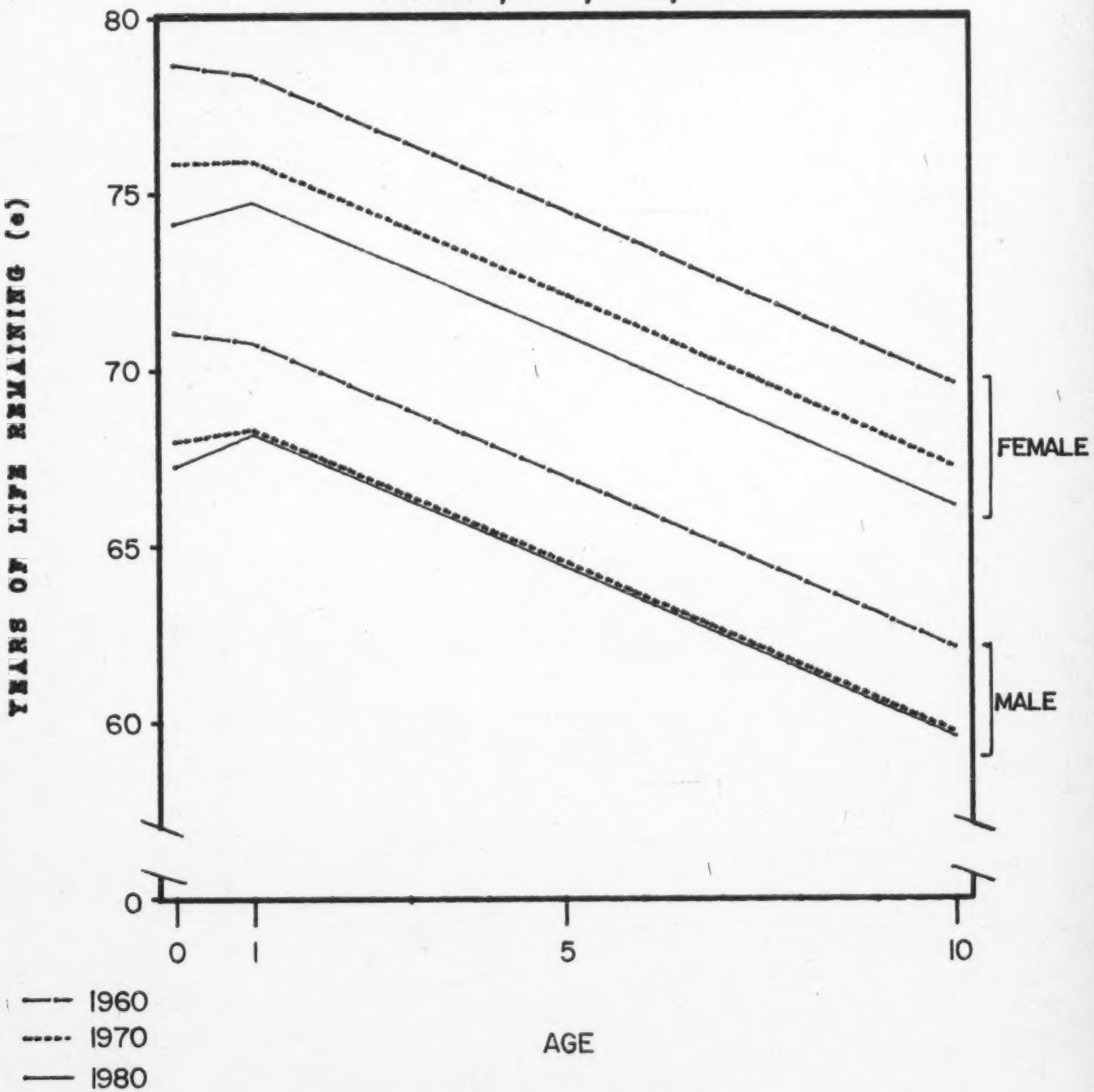

EXPECTATION OF LIFE OF VERMONT FEMALES, BY AGE
1960, 1970, 1980
YEARS OF LIFE REMAINING (e)
80
60
40
20
0
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85
AGE
1980
1970
1960

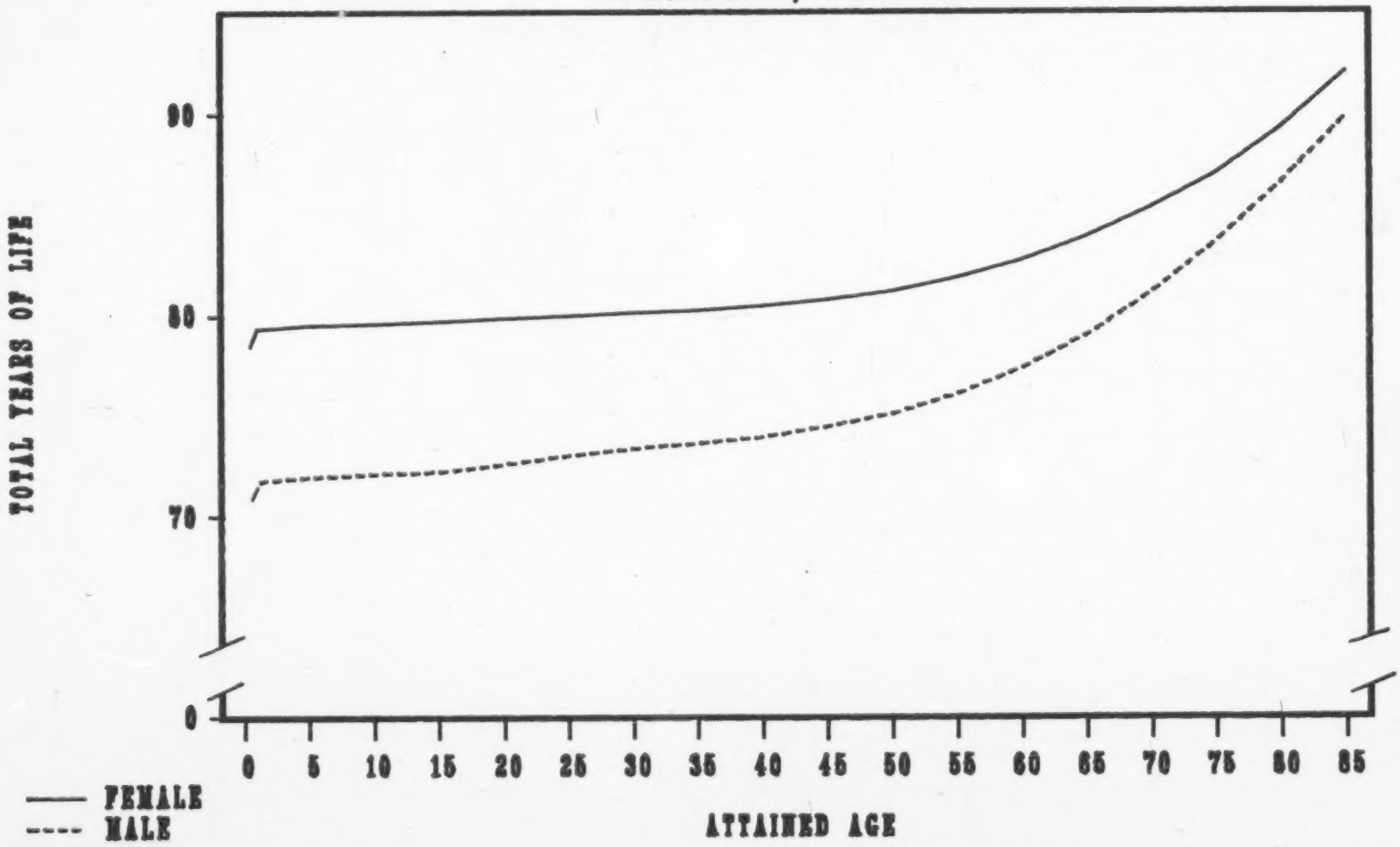
FIGURE I-4

FIGURE I-5

EXPECTATION OF LIFE, BIRTH TO AGE 10, BY SEX, VERMONT, 1960, 1970, 1980



EXPECTATION OF TOTAL LIFE*, BY AGE AND SEX, VERMONT, 1979-82



*AGE ATTAINED PLUS YEARS OF LIFE REMAINING (e)

FIGURE I-6

TABLE I-1
EXPECTATION OF LIFE, IN YEARS, VERMONT, 1960 - 1980
BY AGE, BOTH SEXES COMBINED

AGE	1960 (58-62)	1970 (68-72)	1975 (73-77)	1980 (79-82)*	GAIN,60-80 (IN YRS.)	GAIN 70-80 (IN YRS.)
0	70.59	71.80	73.45	74.87	4.28	3.07
1	71.35	72.03	73.42	74.57	3.22	2.54
5	67.60	68.26	69.57	70.76	3.16	2.50
10	62.75	63.39	64.71	65.86	3.11	2.47
18	55.00	55.64	56.97	58.13	3.13	2.49
25	49.43	49.09	50.43	51.52	3.09	2.43
30	43.70	44.37	45.68	46.76	3.06	2.39
35	38.97	39.67	40.92	41.96	2.99	2.29
40	34.31	34.96	36.22	37.25	2.94	2.29
45	29.83	30.40	31.67	32.68	2.85	2.28
50	25.54	26.13	27.34	28.23	2.69	2.10
55	21.56	22.07	23.21	24.06	2.50	1.99
60	17.83	18.38	19.41	20.17	2.34	1.79
65	14.43	15.00	15.95	16.63	2.20	1.63
70	11.35	11.98	12.93	13.47	2.12	1.49
75	8.67	9.29	10.26	10.62	1.95	1.33
80	6.43	7.17	7.98	8.26	1.83	1.09
85	4.67	5.56	6.34	6.33	1.66	0.77

* Only four years of deaths were used with the 1980 Census population. See the Introduction for explanation.

Source: The statistics in this table and the next are taken from life tables constructed at the time of this report from the latest updated Vermont vital statistics files, the decennial census populations, and Vermont Intercensal Population Estimates (for 1975).

TABLE I-2
EXPECTATION OF LIFE, IN YEARS, VERMONT, 1960 - 1980
BY AGE AND SEX

AGE, SEX	1960 (58-62)	1970 (68-72)	1975 (73-77)	1980 (79-82)*	GAIN,60-80 (IN YRS.)	GAIN,70-80 (IN YRS.)
MALE						
0	67.28	67.97	69.46	71.07	3.79	3.10
1	68.17	68.33	69.51	70.77	2.60	2.44
5	64.43	64.57	65.68	66.98	2.55	2.41
10	59.58	59.72	60.85	62.12	2.54	2.40
18	51.92	52.06	53.20	54.42	2.50	2.36
25	45.59	45.76	46.89	48.02	2.43	2.26
30	40.93	41.14	42.22	43.36	2.43	2.22
35	36.26	36.55	37.52	38.63	2.37	2.08
40	31.65	31.92	32.90	33.95	2.30	2.03
45	27.30	27.41	28.41	29.46	2.16	2.05
50	23.16	23.20	24.18	25.11	1.95	1.91
55	19.39	19.28	20.19	21.06	1.67	1.78
60	15.91	15.85	16.62	17.36	1.45	1.51
65	12.80	12.82	13.41	14.00	1.20	1.18
70	10.07	10.18	10.77	11.12	1.05	0.94
75	7.73	7.88	8.56	8.64	0.91	0.76
80	5.81	6.25	6.57	6.58	0.77	0.33
85	4.25	5.02	5.34	4.89	0.64	-0.13
FEMALE						
0	74.16	75.86	77.60	78.67	4.51	2.81
1	74.75	75.93	77.47	78.36	3.61	2.43
5	71.00	72.15	73.58	74.53	3.53	2.38
10	66.14	67.26	68.69	69.60	3.46	2.34
18	58.28	59.37	60.85	61.81	3.53	2.44
25	51.45	52.55	54.06	54.99	3.54	2.44
30	46.65	47.73	49.22	50.11	3.46	2.38
35	41.85	42.90	44.37	45.22	3.37	2.32
40	37.15	38.08	39.58	40.46	3.31	2.38
45	32.50	33.47	34.94	35.78	3.28	2.31
50	28.03	29.11	30.47	31.20	3.17	2.09
55	23.77	24.86	26.16	26.87	3.10	2.01
60	19.72	20.82	22.04	22.71	2.99	1.89
65	15.96	16.94	18.21	18.90	2.94	1.96
70	12.47	13.46	14.68	15.33	2.86	1.87
75	9.44	10.33	11.46	12.02	2.58	1.69
80	6.88	7.76	8.85	9.27	2.39	1.51
85	4.94	5.85	6.86	7.08	2.14	1.23

* See footnote to previous table.

TABLE I-3
INFANT DEATHS, WITH RATES, BY SEX
VERMONT, 1958 - 1982

YEAR	MALE Number	MALE Rate*	MALE Percent Change	FEMALE Number	FEMALE Rate*	FEMALE Percent Change
58	121			83		
59	126			100		
60	129			94		
61	150			102		
62	119			85		
58-62		27.1	-		20.8	-
63	126			86		
64	111			93		
65	92			81		
66	108			69		
67	97			62		
63-67		25.7	- 5.4		19.9	- 4.2
68	86			62		
69	96			65		
70	90			58		
71	68			45		
72	65			42		
68-72		20.0	-22.0		14.2	-28.4
73	62			47		
74	63			34		
75	47			45		
76	50			38		
77	49			22		
73-77		15.5	-22.5		11.2	-21.2
78	57			37		
79	38			23		
80	46			39		
81	36			27		
82	37			38		
78-82		10.9	-29.5		8.7	-22.1
Percent change, 58-62 to 78-82			-60			-59

* Rate per 1000 live births. Percent change of the rates, prior to rounding to tenths.

TABLE I-4
EXPECTATION OF TOTAL LIFE*, BY AGE AND SEX
VERMONT, 1979-82

ATTAINED AGE	- - - M A L E - - -		- - F E M A L E - -	
	Years Remaining	Total Life*	Years Remaining	Total Life*
0	71.07	71.07	78.67	78.67
1	70.77	71.77	78.36	79.36
5	66.98	71.98	74.53	79.53
10	62.12	72.12	69.60	79.60
18	54.42	72.42	61.81	79.81
25	48.02	73.02	54.99	79.99
30	43.36	73.36	50.11	80.11
35	38.63	73.63	45.22	80.22
40	33.95	73.95	40.46	80.46
45	29.46	74.46	35.78	80.78
50	25.11	75.11	31.20	81.20
55	21.06	76.06	26.87	81.87
60	17.36	77.36	22.71	82.71
65	14.00	79.00	18.90	83.90
70	11.12	81.12	15.33	85.33
75	8.64	83.64	12.02	87.02
80	6.58	86.58	9.27	89.27
85	4.89	89.89	7.08	92.08

*Total Life = Attained Age + Years Remaining(e)

SECTION II

INTRODUCTION

ABRIDGED life tables are those which present data in intervals greater than one year, in contrast to COMPLETE life tables which present data for each single year of life. The tables presented in this report group the data into the following age groups: 0, 1-4, 5-9, 10-17, 18-24 and 5 year intervals up to 85 and over. The groupings 10-17 and 18-24 were made in order to provide information on life expectancy at age 18, the age of majority. In addition, state life tables for the total, male and female populations using the usual 0, 1-4, and 5-year intervals to age 85+ are presented. (Table II-1). This table includes two additional columns from those usually presented: (1) 5-year survival rates, calculated from the L and T columns: (2) the standard error (S.E.) of the life expectancy (e) column, so that statistical significance can be ascertained.

Life tables for the county total, male, and female populations were calculated. The two smallest counties, Essex and Grand Isle, were combined with neighboring counties. Table II-2 presents the life expectancy by age and sex for the state and counties. There is very little difference among the counties or between any county and the state. The greatest difference from the state is found in Windsor County, for which the e values are less than 1 year greater than those of the state. This represents about 1% difference in life expectancy at birth. All other counties differ from the state by less than 1 year and 1%.

Figure II-1 displays the state life expectancies by age and sex. At birth, the expectation of life for females is 7.6 years greater than that for males. This difference gradually reduces to 2.2 years at age 85. Figure II-2 displays life expectancies for the state and selected counties for ages 0-18 on an enlarged scale. The counties with e values most distant from those of the state, high and low, are shown. Chittenden, the largest county, is also shown.

The user should not place much importance upon these small differences between the county and the state life tables. Though four years of deaths are aggregated as the basic data, there still remain a number of county age-sex cells with 0, 1 and 2 deaths. Thus county numbers are small and subject to random fluctuation. Even decennial census populations are subject to errors of undercount and age misrepresentation. Based on the Census Bureau analysis, the undercount of the 1970 Census is estimated to be 2-2.5% overall and up to 5% for the elderly.[5/]

Preliminary analysis suggests that the undercount of the 1980 Census was much less,[6/] but the undercount for a particular small area, such as a county, could easily be 2%. Thus, differences of 1% in the life expectancy among counties or between the state and a county are well within the possible margin of error of the base data.

Because of these concerns, we decided to publish the county life tables for the total population only, omitting sex-specific tables. If, in the light of the above discussion, a user desires the sex-specific tables, they can be provided upon request.

EXPECTATION OF LIFE, BY AGE AND SEX, VERMONT, 1979-82

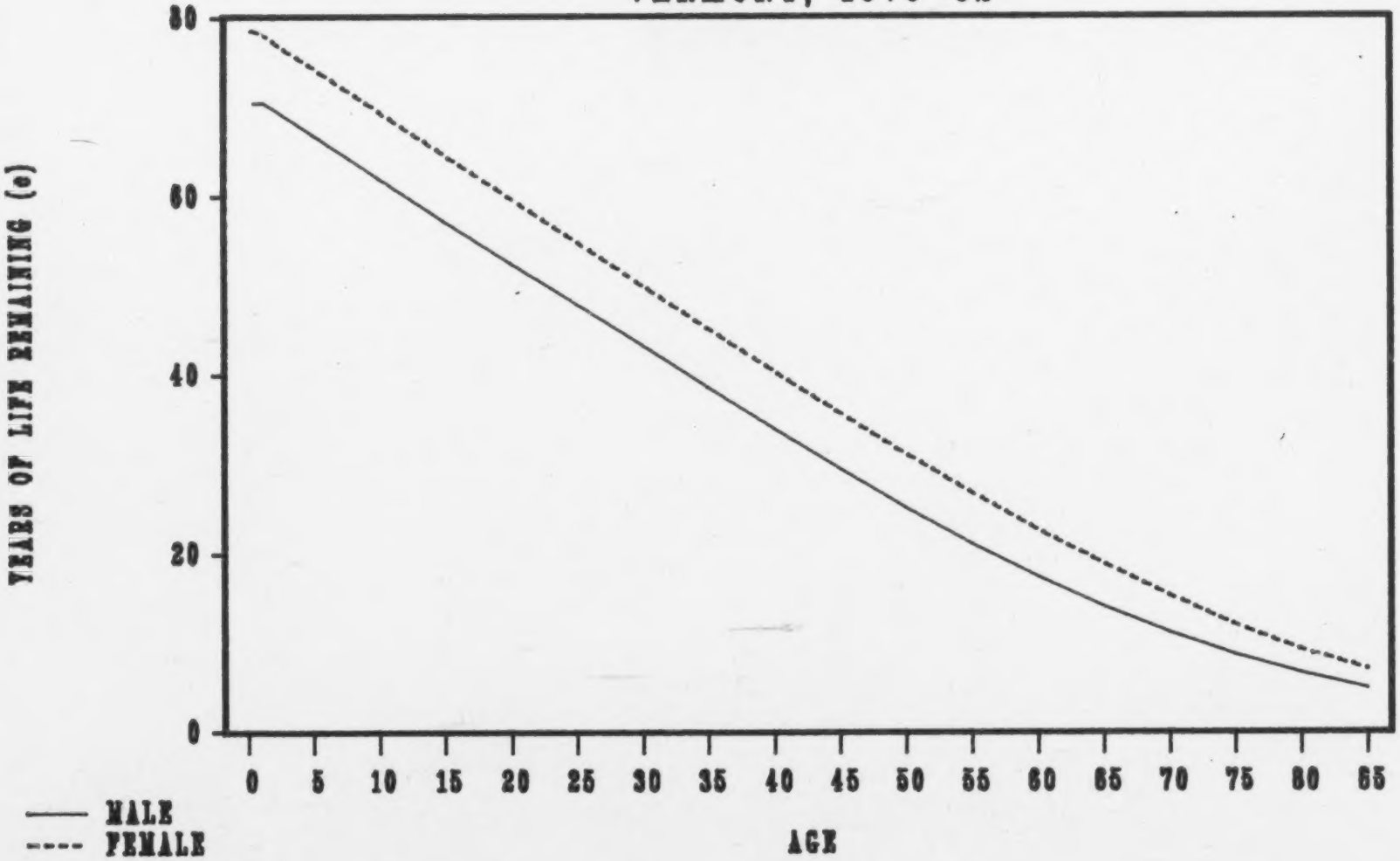


FIGURE II-1

EXPECTATION OF LIFE, AGE 0-15, SEXES COMBINED, VERMONT AND SELECTED COUNTIES, 1979-1982

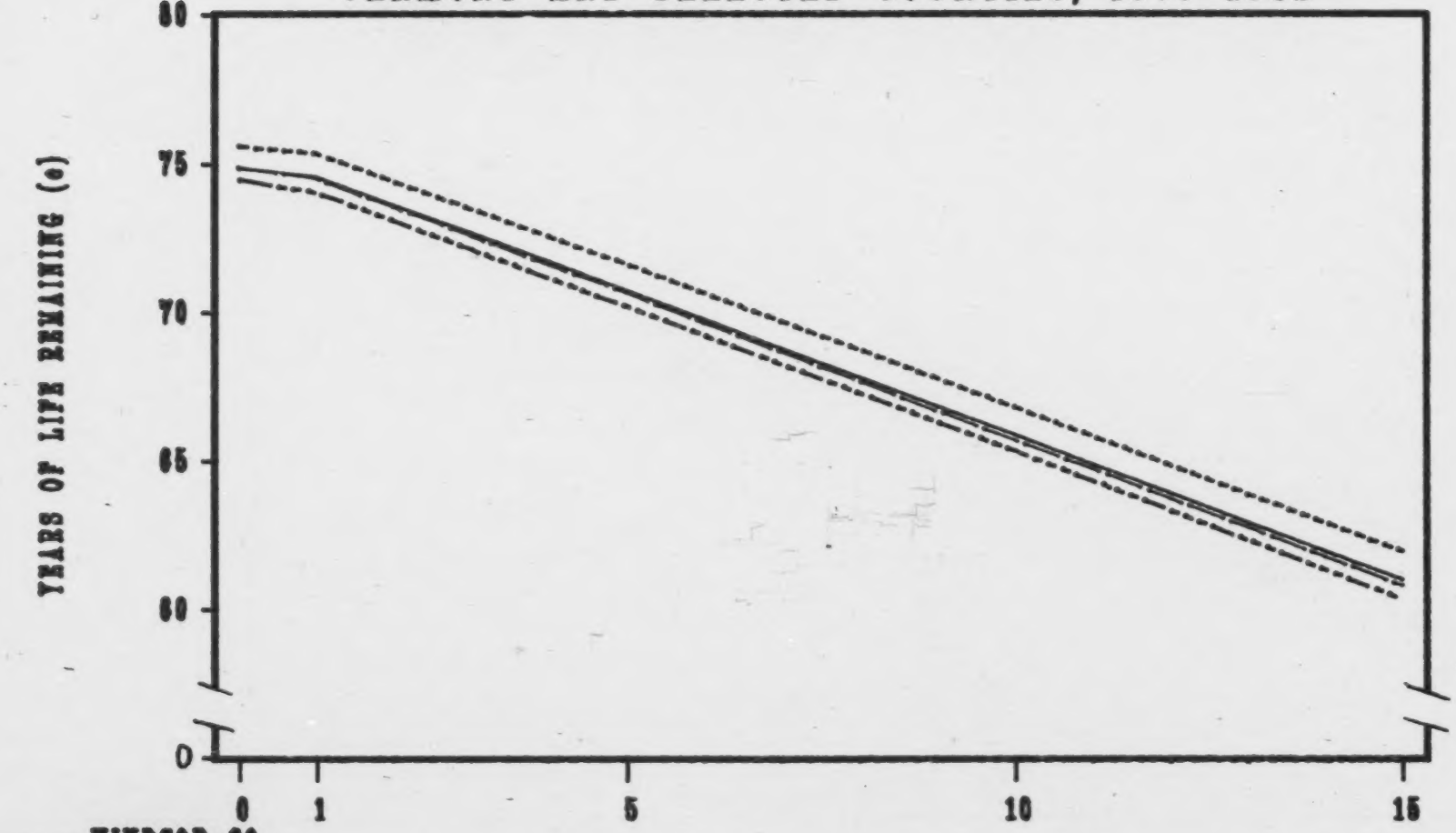


FIGURE II-2

TABLE II-1
ABRIDGED LIFE TABLES, BY SEX, VERMONT, 1979-82

TOTAL

AGE	q	l	d	L	T	e	POPULATION	DEATHS	SURVIVAL RATE (5 yr. rate)	Std Error of e
0- 0	0.00923	100000.	923.	99165.	7487449.	74.87	30728.	286.	-	0.10884
1- 4	0.00257	99077.	255.	395678.	7388285.	74.57	113264.	73.	0.98968	0.10176
5- 9	0.00155	98822.	153.	493720.	6992607.	70.76	151420.	47.	0.99773	0.09960
10-14	0.00193	98669.	191.	492979.	6498887.	65.87	170600.	66.	0.99850	0.09855
15-19	0.00448	98478.	441.	491517.	6005908.	60.99	205148.	184.	0.99704	0.09760
20-24	0.00510	98037.	500.	488956.	5514391.	56.25	194548.	199.	0.99459	0.09613
25-29	0.00478	97537.	466.	486503.	5025535.	51.52	179380.	172.	0.99519	0.09460
30-34	0.00457	97071.	443.	484318.	4539032.	46.76	169300.	155.	0.99551	0.09333
35-39	0.00720	96627.	695.	481533.	4054714.	41.96	129484.	187.	0.99425	0.09233
40-44	0.01227	95932.	1177.	476958.	3573181.	37.25	100092.	247.	0.99050	0.09063
45-49	0.01822	94755.	1726.	470045.	3096223.	32.68	94472.	347.	0.98551	0.08754
50-54	0.03157	93028.	2937.	458445.	2626178.	28.23	96624.	619.	0.97532	0.08397
55-59	0.04916	90091.	4429.	440159.	2167732.	24.06	94008.	946.	0.96011	0.07978
60-64	0.07724	85662.	6616.	413060.	1727573.	20.17	84092.	1347.	0.93843	0.07537
65-69	0.11646	79046.	9205.	373642.	1314514.	16.63	74320.	1831.	0.90457	0.07036
70-74	0.16540	69840.	11552.	321882.	940872.	13.47	60772.	2181.	0.86147	0.06514
75-79	0.24557	58289.	14314.	255658.	618991.	10.62	44848.	2511.	0.79426	0.05965
80-84	0.34467	43975.	15157.	180920.	363333.	8.26	28696.	2404.	0.70767	0.05065
85 UP	1.00000	28818.	28818.	182413.	182413.	6.33	24028.	3796.	0.50205	-

For the definitions of the column headings for the basic life table, columns 'Age' to 'Deaths', see Appendix A.

Survival Rate = the 5 year survival rate of the cohort from the preceding row; e.g., multiply the 5-9 cohort of the 1980 population by 0.99850 to produce the survived 10-14 cohort in 1985. Multiply the 80+ 1980 population by 0.50205 to produce the 85+ cohort in 1985. The 0 (under 1) cohort would become the 5 year olds five years later, and 1-4 cohort would become 6-9.

Std. Error of e = the Standard Error of the values in the 'e' column (expectation of life remaining).

TABLE II-1, cont.

MALE

AGE	q	l	d	L	T	e	POPULATION	DEATHS	SURVIVAL RATE (5 yr. rate)	Std Error of e
0- 0	0.00978	100000.	978.	99115.	7108019.	71.08	15912.	157.	-	0.15058
1- 4	0.00296	99022.	293.	395364.	7008904.	70.78	58008.	43.	0.98896	0.14129
5- 9	0.00211	98729.	209.	493114.	6613540.	66.99	78028.	33.	0.99724	0.13819
10-14	0.00188	98520.	185.	492248.	6120426.	62.12	87720.	33.	0.99824	0.13642
15-19	0.00678	98335.	667.	490356.	5628178.	57.23	102208.	139.	0.99616	0.13530
20-24	0.00810	97669.	791.	486238.	5137823.	52.60	95900.	156.	0.99160	0.13253
25-29	0.00742	96877.	718.	482566.	4651585.	49.02	87988.	131.	0.99245	0.12948
30-34	0.00665	96159.	639.	479302.	4169019.	43.36	84744.	113.	0.99324	0.12698
35-39	0.00894	95520.	854.	475630.	3689716.	38.63	65132.	117.	0.99234	0.12522
40-44	0.01607	94665.	1521.	469937.	3214087.	33.95	50044.	162.	0.98782	0.12271
45-49	0.02386	93145.	2223.	460922.	2744250.	29.46	47076.	227.	0.98103	0.11799
50-54	0.04049	90922.	3681.	446216.	2283328.	25.11	47152.	389.	0.96810	0.11269
55-59	0.06611	87241.	5767.	422795.	1837112.	21.06	44572.	608.	0.94751	0.10677
60-64	0.10068	81473.	8203.	388460.	1414317.	17.36	39212.	828.	0.91879	0.10045
65-69	0.15746	73271.	11537.	339298.	1025857.	14.00	33996.	1156.	0.87344	0.09411
70-74	0.22969	61733.	14118.	275278.	686559.	11.12	25368.	1301.	0.81132	0.08865
75-79	0.32424	47616.	15439.	199480.	411281.	8.64	17404.	1347.	0.72465	0.08307
80-84	0.44316	32177.	14259.	124236.	211801.	6.58	9488.	1089.	0.62280	0.07473
85 UP	1.00000	17917.	17917.	87565.	87565.	4.89	6368.	1303.	0.41343	-

FEMALE

AGE	q	l	d	L	T	e	POPULATION	DEATHS	SURVIVAL RATE (5 yr. rate)	Std Error of e
0- 0	0.00864	100000.	864.	99218.	7867396.	78.67	14816.	129.	-	0.14923
1- 4	0.00217	99136.	215.	396013.	7768168.	78.36	55256.	30.	0.99046	0.13782
5- 9	0.00095	98921.	94.	494366.	7372155.	74.53	73392.	14.	0.99825	0.13470
10-14	0.00139	98827.	137.	493758.	6877789.	69.59	82880.	33.	0.99877	0.13357
15-19	0.00218	98630.	215.	492725.	6384031.	64.73	102940.	45.	0.99791	0.13183
20-24	0.00218	98415.	214.	491504.	5891307.	59.86	98648.	43.	0.99752	0.13057
25-29	0.00224	98201.	220.	490445.	5399803.	54.99	91392.	41.	0.99785	0.12944
30-34	0.00248	97981.	243.	489335.	4909357.	50.11	84556.	42.	0.99774	0.12842
35-39	0.00543	97738.	530.	487465.	4420022.	45.22	64352.	70.	0.99618	0.12744
40-44	0.00846	97207.	822.	484149.	3932557.	40.46	50048.	85.	0.99320	0.12508
45-49	0.01259	96385.	1214.	479304.	3448408.	35.78	47396.	120.	0.98999	0.12117
50-54	0.02300	95171.	2189.	470866.	2969104.	31.20	49472.	230.	0.98240	0.11650
55-59	0.03365	92982.	3129.	457637.	2498238.	26.87	49436.	338.	0.97190	0.11053
60-64	0.05632	89853.	5061.	437603.	2040601.	22.71	44880.	519.	0.95622	0.10445
65-69	0.08054	84793.	6829.	407951.	1602998.	18.90	40324.	675.	0.93224	0.09663
70-74	0.11738	77964.	9151.	368177.	1195047.	15.33	35404.	880.	0.90250	0.08821
75-79	0.19174	68813.	13194.	311078.	826870.	12.02	27444.	1164.	0.84491	0.07950
80-84	0.29109	55619.	16190.	236485.	515791.	9.27	19208.	1315.	0.76021	0.06525
85 UP	1.00000	39429.	39429.	279306.	279306.	7.08	17660.	2493.	0.54151	-

TABLE II-2
EXPECTATION OF LIFE, BY COUNTY, AGE AND SEX
VERMONT, 1979-82

TOTAL

AGE	STATE	ADDISON	BENN.	CALED. ESSEX ORLNS.	CHITT.	FRANK. GR.IS.	LAMOI.	ORANGE	RUTLAND	WASH.	WINDHAM	WINDSOR
0	74.37	75.07	74.54	74.66	74.89	74.49	74.59	75.01	74.49	74.63	75.10	75.61
1	74.57	74.70	74.62	74.33	74.52	74.05	74.14	74.58	74.20	74.40	74.96	75.36
5	70.76	70.79	70.86	70.60	70.66	70.21	70.21	70.63	70.44	70.63	71.10	71.64
10	65.87	65.96	65.96	65.73	65.71	65.34	65.34	65.68	65.55	65.72	66.20	66.83
18	58.13	58.20	58.37	57.99	57.89	57.46	57.96	58.16	57.83	57.90	58.51	59.09
25	51.52	51.47	51.95	51.69	51.12	50.79	51.56	51.88	51.28	51.22	52.11	52.51
30	46.76	46.77	47.09	46.90	46.32	46.01	46.72	47.06	46.57	46.48	47.48	47.71
35	41.96	41.94	42.34	42.08	41.51	41.18	42.00	42.24	41.75	41.73	42.77	42.86
40	37.25	37.21	37.62	37.41	36.79	36.44	37.47	37.58	37.02	36.88	38.17	38.14
45	32.68	32.65	33.07	32.87	32.20	31.78	32.72	32.87	32.44	32.49	33.49	33.59
50	28.23	28.16	28.59	28.56	27.68	27.41	28.15	28.33	27.90	28.14	29.10	29.14
55	24.06	23.91	24.32	24.40	23.55	23.38	24.00	23.93	23.86	24.01	24.70	24.93
60	20.17	20.01	20.56	20.40	19.65	19.51	20.27	20.04	20.00	20.23	20.78	20.87
65	16.63	16.47	16.89	16.59	16.16	16.26	16.64	16.69	16.51	16.78	17.08	17.29
70	13.47	13.45	13.51	13.57	13.24	13.00	13.47	13.46	13.39	13.54	13.78	13.99
75	10.62	10.54	10.65	10.75	10.55	10.06	10.28	10.37	10.73	10.59	10.72	11.17
80	8.26	8.26	8.03	8.14	8.34	8.28	7.85	7.90	8.42	8.40	8.16	8.62
85	6.33	6.50	6.71	6.16	6.50	6.20	5.85	5.86	6.41	6.48	6.24	6.37

TABLE II-2, cont.

AGE	STATE	ADDISON	BENN.	CALED. ESSEX ORLNS.	CHITT.	FRANK. GR.IS.	LAMOI.	ORANGE	RUTLAND	WASH.	WINDHAM	WINDSOR
MALE												
0	71.08	71.73	70.84	71.17	71.09	71.09	70.72	71.27	70.14	70.26	71.30	71.76
1	70.78	71.29	71.01	70.64	70.79	70.65	70.18	70.73	69.98	69.98	71.04	71.78
5	66.99	67.37	67.23	66.96	66.91	66.81	66.32	66.82	66.29	66.22	67.24	68.10
10	62.12	62.65	62.42	62.13	62.00	61.90	61.55	61.82	61.44	61.34	62.30	63.27
18	54.42	54.99	54.97	54.33	54.21	54.05	54.24	54.36	53.72	53.55	54.62	55.64
25	48.02	48.46	48.75	48.32	47.57	47.51	47.99	48.37	47.47	46.97	48.62	49.25
30	43.36	43.78	44.13	43.62	42.85	42.82	43.28	43.61	42.91	42.38	44.11	44.54
35	38.63	39.02	39.41	38.89	38.12	38.04	38.59	38.88	38.13	37.74	39.46	39.74
40	33.95	34.40	34.78	34.20	33.41	33.29	34.26	34.31	33.42	32.96	34.94	35.04
45	29.46	30.06	30.23	29.62	28.86	28.69	29.63	29.54	28.99	28.65	30.44	30.69
50	25.11	25.68	25.75	25.41	24.38	24.39	25.11	25.20	24.60	24.52	26.23	26.25
55	21.06	21.30	21.59	21.37	20.42	20.59	21.28	21.12	20.65	20.52	21.97	21.91
60	17.36	17.73	18.03	17.61	16.67	16.82	17.82	17.55	16.93	17.02	18.22	17.97
65	14.00	14.41	14.43	13.99	13.29	13.66	14.12	14.70	13.74	13.83	14.79	14.41
70	11.12	11.62	11.34	11.40	10.72	10.57	11.33	11.79	10.79	10.82	11.60	11.39
75	8.64	9.32	8.80	8.81	8.43	8.06	8.32	8.94	8.55	8.17	9.07	8.94
80	6.58	7.10	6.79	6.51	6.14	6.68	6.08	6.91	6.65	6.53	6.54	6.81
85	4.89	5.13	5.70	4.65	4.69	4.66	4.21	4.81	5.27	4.98	5.25	4.47
FEMALE												
0	78.67	78.54	78.48	78.25	78.50	77.91	78.60	79.15	78.85	78.89	78.67	79.58
1	78.36	78.26	78.21	78.16	78.04	77.47	78.26	78.88	78.41	78.70	78.64	79.02
5	74.53	74.36	74.47	74.38	74.20	73.65	74.26	74.88	74.57	74.92	74.73	75.26
10	69.59	69.36	69.47	69.46	69.20	68.81	69.26	69.99	69.61	69.97	69.87	70.47
18	61.81	61.52	61.70	61.80	61.34	60.89	61.81	62.42	61.88	62.12	62.13	62.59
25	54.99	54.56	54.89	55.16	54.45	54.08	55.23	55.68	55.06	55.28	55.33	55.79
30	50.11	49.82	49.99	50.24	49.54	49.19	50.23	50.81	50.16	50.40	50.58	50.88
35	45.22	44.91	45.18	45.33	44.64	44.31	45.48	45.88	45.29	45.50	45.79	45.96
40	40.46	40.03	40.38	40.67	39.90	39.57	40.68	41.10	40.53	40.57	41.07	41.23
45	35.78	35.24	35.82	36.18	35.26	34.82	35.79	36.45	35.77	36.04	36.18	36.45
50	31.20	30.59	31.34	31.75	30.67	30.38	31.15	31.62	31.01	31.42	31.57	31.96
55	26.87	26.46	26.92	27.42	26.30	26.04	26.57	26.83	26.84	27.07	27.00	27.91
60	22.71	22.14	22.92	23.11	22.15	22.02	22.51	22.57	22.76	22.94	22.85	23.67
65	18.90	18.32	19.10	19.02	18.48	18.57	18.93	18.57	18.87	19.09	18.81	20.02
70	15.33	14.94	15.36	15.41	15.03	15.00	15.13	14.92	15.42	15.51	15.31	16.25
75	12.02	11.42	12.08	12.24	11.92	11.50	11.66	11.49	12.19	12.16	11.78	12.86
80	9.27	9.05	8.83	9.22	9.61	9.28	8.85	8.55	9.39	9.35	9.07	9.83
85	7.08	7.34	7.34	7.08	7.38	7.01	6.72	6.48	6.95	7.14	6.66	7.47

TABLE II-3
ABRIDGED LIFE TABLES, BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00923	100000.	923.	99165.	7487257.	74.87	30728.	286.
1- 4	0.00257	99077.	255.	395678.	7388092.	74.57	113264.	73.
5- 9	0.00155	98822.	153.	493720.	6992415.	70.76	151420.	47.
10-17	0.00439	98669.	433.	788429.	6498694.	65.86	285860.	157.
18-24	0.00716	98236.	703.	684968.	5710266.	58.13	284436.	292.
25-29	0.00478	97533.	466.	486480.	5025298.	51.52	179380.	172.
30-34	0.00457	97066.	443.	484295.	4538818.	46.76	169300.	155.
35-39	0.00720	96623.	695.	481511.	4054523.	41.96	129484.	187.
40-44	0.01227	95927.	1177.	476935.	3573012.	37.25	100092.	247.
45-49	0.01822	94750.	1726.	470023.	3096077.	32.68	94472.	347.
50-54	0.03157	93024.	2937.	458424.	2626054.	28.23	96624.	619.
55-59	0.04916	90087.	4429.	440138.	2167630.	24.06	94008.	946.
60-64	0.07724	85658.	6616.	413040.	1727492.	20.17	84092.	1347.
65-69	0.11646	79042.	9205.	373624.	1314452.	16.63	74320.	1831.
70-74	0.16540	69837.	11551.	321867.	940828.	13.47	60772.	2181.
75-79	0.24557	58286.	14313.	255646.	618961.	10.62	44848.	2511.
80-84	0.34467	43972.	15156.	180912.	363316.	8.26	28696.	2404.
85 UP	1.00000	28817.	28817.	182404.	182404.	6.33	24028.	3796.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: Total = 0.109 yrs.
Male = 0.151
Female= 0.149

Standard Error of Expectation of Life (e) at Age 65: Total = 0.070 yrs.
Male = 0.094
Female= 0.097

TABLE II-3, cont.

MALE

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00978	100000.	978.	99115.	7107389.	71.07	15912.	157.
1- 4	0.00296	99022.	293.	395364.	7008274.	70.77	58008.	43.
5- 9	0.00211	98729.	209.	493114.	6612911.	66.98	78028.	33.
10-17	0.00533	98520.	525.	787046.	6119797.	62.12	146852.	98.
18-24	0.01151	97995.	1128.	681663.	5332751.	54.42	138976.	230.
25-29	0.00742	96867.	718.	482514.	4651088.	48.02	87988.	131.
30-34	0.00665	96149.	639.	479251.	4168574.	43.36	84744.	113.
35-39	0.00894	95510.	854.	475579.	3689323.	38.63	65132.	117.
40-44	0.01607	94655.	1521.	469787.	3213744.	33.95	50044.	162.
45-49	0.02386	93135.	2222.	460973.	2743957.	29.46	47076.	227.
50-54	0.04049	90912.	3681.	446169.	2283084.	25.11	47152.	389.
55-59	0.06611	87231.	5767.	422749.	1836916.	21.06	44572.	608.
60-64	0.10068	81465.	8202.	388418.	1414166.	17.36	39212.	828.
65-69	0.15746	73263.	11536.	339262.	1025748.	14.00	33996.	1156.
70-74	0.22869	61727.	14116.	275248.	686486.	11.12	25368.	1301.
75-79	0.32424	47610.	15437.	199459.	411237.	8.64	17404.	1347.
80-84	0.44316	32173.	14258.	124223.	211778.	6.58	9488.	1089.
85 UP	1.00000	17915.	17915.	87555.	87555.	4.89	6368.	1303.

FEMALE

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00864	100000.	864.	99218.	7867489.	78.67	14816.	129.
1- 4	0.00217	99136.	215.	396013.	7768271.	78.36	55256.	30.
5- 9	0.00095	98921.	94.	494366.	7372258.	74.53	73392.	14.
10-17	0.00339	98827.	335.	789901.	6877892.	69.60	139008.	59.
18-24	0.00298	98492.	293.	688322.	6087991.	61.81	145460.	62.
25-29	0.00224	98198.	220.	490433.	5399670.	54.99	91392.	41.
30-34	0.00248	97978.	243.	489323.	4909237.	50.11	84556.	42.
35-39	0.00543	97735.	530.	487453.	4419913.	45.22	64352.	70.
40-44	0.00846	97205.	822.	484137.	3932460.	40.46	50048.	85.
45-49	0.01259	96383.	1213.	479292.	3448323.	35.78	47396.	120.
50-54	0.02300	95169.	2189.	470855.	2969031.	31.20	49472.	230.
55-59	0.03365	92980.	3129.	457626.	2498176.	26.87	49436.	338.
60-64	0.05632	89851.	5060.	437592.	2040551.	22.71	44880.	519.
65-69	0.08054	84791.	6829.	407941.	1602959.	18.90	40324.	675.
70-74	0.11738	77962.	9151.	368168.	1195018.	15.33	35404.	880.
75-79	0.19174	68811.	13194.	311071.	826849.	12.02	27444.	1164.
80-84	0.29109	55617.	16190.	236479.	515779.	9.27	19208.	1315.
85 UP	1.00000	39428.	39428.	279299.	279299.	7.08	17660.	2493.

TABLE II-4
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, ADDISON COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00836	100000.	836.	99244.	7504277.	75.04	1900.	16.
1- 4	0.00120	99164.	119.	396363.	7405033.	74.67	6664.	2.
5- 9	0.00223	99045.	221.	494665.	7008670.	70.76	8964.	4.
10-17	0.00472	98825.	466.	789604.	6514005.	65.91	16936.	10.
18-24	0.00493	98358.	485.	686658.	5724401.	58.20	19820.	14.
25-29	0.00596	97873.	583.	487888.	5037743.	51.47	10040.	12.
30-34	0.00397	97290.	386.	485549.	4549854.	46.77	10056.	8.
35-39	0.00677	96904.	656.	483008.	4064306.	41.94	7364.	10.
40-44	0.01272	96248.	1224.	478431.	3581298.	37.21	5472.	14.
45-49	0.01678	95024.	1595.	471675.	3102867.	32.65	4732.	16.
50-54	0.02838	93429.	2651.	461101.	2631192.	28.16	5044.	29.
55-59	0.04933	90778.	4478.	443479.	2170091.	23.91	4952.	50.
60-64	0.07786	86300.	6719.	416013.	1726612.	20.01	4272.	69.
65-69	0.12549	79581.	9986.	374487.	1310598.	16.47	3600.	96.
70-74	0.16187	69595.	11266.	321330.	936111.	13.45	3052.	107.
75-79	0.25275	58329.	14743.	254789.	614781.	10.54	2264.	131.
80-84	0.35730	43586.	15574.	177908.	359992.	8.26	1348.	118.
85-99	1.00000	28013.	28013.	182084.	182084.	6.50	1144.	176.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.459 yrs.

at Age 65: 0.319 yrs.

TABLE II-5
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, BENNINGTON COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.01286	100000.	1286.	98836.	7463469.	74.63	1768.	23.
1- 4	0.00328	98714.	324.	394056.	7364633.	74.61	7296.	6.
5- 9	0.00155	98390.	153.	491563.	6970577.	70.85	9664.	3.
10-17	0.00687	98238.	675.	784464.	6479014.	65.95	18592.	16.
18-24	0.00864	97562.	843.	679720.	5694550.	58.37	16120.	20.
25-29	0.00488	96719.	472.	482398.	5014830.	51.85	10212.	10.
30-34	0.00545	96247.	524.	480009.	4532432.	47.09	10068.	11.
35-39	0.00722	95722.	691.	477019.	4052423.	42.34	8284.	12.
40-44	0.01262	95031.	1199.	472404.	3575404.	37.62	6696.	17.
45-49	0.01706	93832.	1601.	465702.	3103000.	33.07	6400.	22.
50-54	0.02716	92231.	2505.	455445.	2637298.	28.59	7092.	39.
55-59	0.05437	89727.	4878.	437291.	2181852.	24.32	6544.	73.
60-64	0.06915	84848.	5867.	410718.	1744561.	20.56	5880.	84.
65-69	0.10222	78981.	8073.	375974.	1333843.	16.89	5868.	126.
70-74	0.16478	70908.	11684.	326906.	957869.	13.51	5036.	180.
75-79	0.22547	59224.	13353.	262734.	630963.	10.65	3640.	185.
80-84	0.39665	45870.	18194.	182592.	368229.	8.03	2248.	224.
85-99	1.00000	27676.	27676.	185636.	185636.	6.71	1972.	294.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.438 yrs.

at Age 65: 0.248 yrs.

TABLE II-6
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, NORTHEAST COUNTIES*, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00894	100000.	894.	99191.	7463899.	74.64	3772.	34.
1- 4	0.00372	99106.	369.	395512.	7364708.	74.31	13944.	13.
5- 9	0.00195	98737.	193.	493195.	6969196.	70.58	17892.	7.
10-17	0.00452	98544.	446.	787405.	6476001.	65.72	31800.	18.
18-24	0.01271	98099.	1247.	681932.	5688596.	57.99	25156.	46.
25-29	0.00409	96852.	396.	483253.	5006663.	51.69	18284.	15.
30-34	0.00405	96455.	391.	481362.	4523411.	46.90	17232.	14.
35-39	0.00832	96064.	799.	478479.	4042048.	42.08	13176.	22.
40-44	0.01321	95265.	1259.	473437.	3563570.	37.41	10532.	28.
45-49	0.02244	94006.	2109.	465476.	3090133.	32.87	10152.	46.
50-54	0.03147	91897.	2892.	452893.	2624657.	28.56	11120.	71.
55-59	0.04402	89006.	3918.	435918.	2171763.	24.40	11236.	101.
60-64	0.06291	85087.	5353.	413097.	1735845.	20.40	10264.	133.
65-69	0.12437	79734.	9916.	375418.	1322748.	16.59	8556.	226.
70-74	0.16608	69818.	11595.	321667.	947330.	13.57	7296.	263.
75-79	0.22492	58223.	13095.	258376.	625663.	10.75	5564.	282.
80-84	0.34602	45128.	15615.	185507.	367287.	8.14	3564.	300.
85-99	1.00000	29512.	29512.	181781.	181781.	6.16	2704.	439.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.331 yrs.

at Age 65: 0.204 yrs.

* NORTHEAST COUNTIES = CALEDONIA, ESSEX AND ORLEANS

TABLE II-7
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, CHITTENDEN COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00836	100000.	836.	99243.	7490017.	74.90	6408.	54.
1- 4	0.00189	99164.	187.	396192.	7390774.	74.53	23284.	11.
5- 9	0.00077	98977.	76.	494688.	6994582.	70.67	32424.	5.
10-17	0.00283	98900.	280.	790607.	6499894.	65.72	65052.	23.
18-24	0.00422	98621.	416.	688756.	5709287.	57.89	90964.	55.
25-29	0.00394	98204.	387.	490039.	5020531.	51.12	44272.	35.
30-34	0.00443	97817.	433.	488072.	4530492.	46.32	39412.	35.
35-39	0.00706	97383.	688.	485331.	4042419.	41.51	30336.	43.
40-44	0.01205	96695.	1165.	480803.	3557088.	36.79	23104.	56.
45-49	0.01611	95530.	1539.	474325.	3076285.	32.20	21260.	69.
50-54	0.03370	93991.	3167.	462731.	2601960.	27.68	19576.	134.
55-59	0.04970	90823.	4514.	443620.	2139229.	23.55	17492.	178.
60-64	0.08221	86309.	7095.	415190.	1695608.	19.65	13400.	229.
65-69	0.13325	79213.	10555.	371315.	1280419.	16.16	11292.	321.
70-74	0.17909	68658.	12296.	314211.	909104.	13.24	9404.	368.
75-79	0.25675	56362.	14471.	245634.	594893.	10.55	6620.	390.
80-84	0.34844	41891.	14597.	171943.	349259.	8.34	4276.	363.
85 UP	1.00000	27295.	27295.	177316.	177316.	6.50	3560.	548.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.243 yrs.

at Age 65: 0.182 yrs.

TABLE II-8
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, FRANKLIN AND GRAND ISLE COUNTIES, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00745	100000.	745.	99326.	7448370.	74.48	2800.	21.
1- 4	0.00232	99255.	230.	396451.	7349044.	74.04	10336.	6.
5- 9	0.00185	99025.	183.	494659.	6952593.	70.21	13516.	5.
10-17	0.00201	98842.	198.	790313.	6457934.	65.34	23900.	6.
18-24	0.00609	98644.	601.	688212.	5667621.	57.46	17176.	15.
25-29	0.00447	98042.	438.	489101.	4979409.	50.79	13388.	12.
30-34	0.00404	97604.	394.	487100.	4490308.	46.01	12356.	10.
35-39	0.00664	97210.	646.	484561.	4003208.	41.18	9756.	13.
40-44	0.00996	96564.	962.	480614.	3518647.	36.44	7496.	15.
45-49	0.02149	95602.	2055.	473574.	3038033.	31.78	7376.	32.
50-54	0.03758	93548.	3515.	459725.	2564458.	27.41	7716.	59.
55-59	0.05177	90033.	4661.	439326.	2104734.	23.38	7352.	78.
60-64	0.09441	85372.	8060.	408281.	1665407.	19.51	6636.	131.
65-69	0.11324	77312.	8755.	366030.	1257127.	16.26	5728.	137.
70-74	0.16621	68557.	11395.	315838.	891097.	13.00	4324.	156.
75-79	0.29844	57163.	17059.	243164.	575258.	10.06	3592.	252.
80-84	0.33322	40103.	13363.	166173.	332094.	8.28	2400.	193.
85-99	1.00000	26740.	26740.	165921.	165921.	6.20	1756.	283.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.374 yrs.

at Age 65: 0.247 yrs.

TABLE II-9
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, LAMOILLE COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00725	100000.	725.	99344.	7452561.	74.53	1096.	8.
1- 4	0.00098	99275.	97.	396859.	7353218.	74.07	4076.	1.
5- 9	0.00194	99177.	192.	495399.	6956359.	70.14	5160.	2.
10-17	0.01154	98985.	1142.	789454.	6460960.	65.27	8988.	13.
18-24	0.01082	97844.	1059.	680867.	5671506.	57.96	9648.	15.
25-29	0.00316	96785.	306.	483150.	4990639.	51.56	6316.	4.
30-34	0.00640	96479.	618.	480953.	4507489.	46.72	6228.	8.
35-39	0.01171	95861.	1122.	476720.	4026536.	42.00	4248.	10.
40-44	0.00725	94739.	687.	472119.	3549817.	37.47	3436.	5.
45-49	0.01410	94052.	1326.	467396.	3077698.	32.72	2820.	8.
50-54	0.03241	92726.	3005.	456779.	2610302.	28.15	2736.	18.
55-59	0.05608	89721.	5031.	436907.	2153523.	24.00	2692.	31.
60-64	0.07253	84690.	6143.	409290.	1716616.	20.27	2532.	38.
65-69	0.11563	78547.	9082.	371438.	1307326.	16.64	2372.	58.
70-74	0.14263	69465.	9908.	323891.	935888.	13.47	1896.	58.
75-79	0.24863	59557.	14807.	260765.	611997.	10.28	1356.	77.
80-84	0.35677	44749.	15965.	182715.	351232.	7.85	824.	72.
85-99	1.00000	28784.	28784.	168516.	168516.	5.85	644.	110.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.607 yrs.

at Age 65: 0.390 yrs.

TABLE II-10
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, ORANGE COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00761	100000.	761.	99311.	7499508.	75.00	1696.	13.
1- 4	0.00069	99239.	69.	396785.	7400197.	74.57	5772.	1.
5- 9	0.00068	99170.	68.	495678.	7003412.	70.62	7340.	1.
10-17	0.00825	99102.	818.	791079.	6507734.	65.67	12572.	13.
18-24	0.01282	98284.	1260.	683184.	5716654.	58.16	10844.	20.
25-29	0.00375	97024.	364.	484199.	5033470.	51.88	7976.	6.
30-34	0.00398	96660.	384.	482404.	4549271.	47.06	7532.	6.
35-39	0.00848	96276.	816.	479499.	4066867.	42.24	5876.	10.
40-44	0.00827	95460.	789.	475488.	3587369.	37.58	4216.	7.
45-49	0.01516	94670.	1435.	470252.	3111881.	32.87	4260.	13.
50-54	0.02277	93235.	2123.	461336.	2641628.	28.33	4128.	19.
55-59	0.04967	91112.	4525.	445038.	2180293.	23.93	4032.	41.
60-64	0.08705	86587.	7538.	415558.	1735254.	20.04	3804.	69.
65-69	0.11155	79049.	8818.	374565.	1319696.	16.69	3568.	84.
70-74	0.15014	70231.	10545.	326215.	945131.	13.46	2908.	94.
75-79	0.24328	59686.	14521.	262128.	618916.	10.37	2076.	115.
80-84	0.35113	45165.	15859.	185069.	356788.	7.90	1272.	109.
85-99	1.00000	29306.	29306.	171719.	171719.	5.86	1084.	185.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.498 yrs.

at Age 65: 0.316 yrs.

TABLE II-11
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, RUTLAND COUNTY, 1979-82

AGE	$_nq_x$	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00946	100000.	946.	99144.	7449875.	74.50	3040.	29.
1- 4	0.00330	99054.	327.	395410.	7350731.	74.21	12108.	10.
5- 9	0.00151	98728.	149.	493258.	6955322.	70.45	16504.	5.
10-17	0.00454	98578.	448.	787672.	6462064.	65.55	31648.	18.
18-24	0.00834	98130.	819.	683788.	5674391.	57.83	30064.	36.
25-29	0.00580	97311.	565.	485126.	4990603.	51.28	19760.	23.
30-34	0.00402	96747.	389.	482825.	4505478.	46.57	18616.	15.
35-39	0.00690	96358.	665.	480255.	4022652.	41.75	14440.	20.
40-44	0.01227	95693.	1174.	475768.	3542397.	37.02	10940.	27.
45-49	0.01506	94518.	1423.	469518.	3066629.	32.44	10888.	33.
50-54	0.03696	93095.	3441.	457632.	2597111.	27.90	11572.	87.
55-59	0.05080	89655.	4555.	437684.	2139479.	23.86	11724.	122.
60-64	0.08039	85100.	6841.	409732.	1701795.	20.00	11200.	187.
65-69	0.11948	78259.	9351.	369368.	1292062.	16.51	9836.	249.
70-74	0.17878	68909.	12319.	315407.	922694.	13.39	7988.	312.
75-79	0.24647	56589.	13948.	248076.	607287.	10.73	5656.	318.
80-84	0.33232	42641.	14170.	176789.	359210.	8.42	3880.	311.
85-99	1.00000	28471.	28471.	182421.	182421.	6.41	3524.	550.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.322 yrs.

at Age 65: 0.196 yrs.

TABLE II-12
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, WASHINGTON COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.01014	100000.	1014.	99082.	7463668.	74.64	3028.	31.
1- 4	0.00318	98986.	315.	395164.	7364586.	74.40	11296.	9.
5- 9	0.00132	98671.	130.	493023.	6969422.	70.63	15152.	4.
10-17	0.00302	98541.	298.	787691.	6476399.	65.72	29092.	11.
18-24	0.00566	98243.	556.	685578.	5688708.	57.90	27120.	22.
25-29	0.00545	97687.	532.	487083.	5003130.	51.22	17380.	19.
30-34	0.00556	97154.	541.	484508.	4516047.	46.48	17924.	20.
35-39	0.00377	96614.	364.	482229.	4031538.	41.73	13248.	10.
40-44	0.01753	96250.	1687.	477376.	3549310.	36.88	10752.	38.
45-49	0.02162	94562.	2045.	468396.	3071934.	32.49	10080.	44.
50-54	0.03294	92518.	3048.	455640.	2603539.	28.14	10016.	67.
55-59	0.05431	89470.	4859.	436052.	2147899.	24.01	9512.	106.
60-64	0.08098	84611.	6852.	407259.	1711847.	20.23	8856.	149.
65-69	0.11100	77759.	8631.	368553.	1304588.	16.78	8284.	194.
70-74	0.15793	69128.	10918.	319818.	936035.	13.54	6884.	235.
75-79	0.25788	58210.	15011.	253522.	616217.	10.59	5168.	306.
80-84	0.34063	43199.	14715.	178176.	362696.	8.40	3124.	258.
85-99	1.00000	28484.	28484.	184519.	184519.	6.48	2656.	410.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.342 yrs.

at Age 65: 0.211 yrs.

TABLE II-13
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, WINDHAM COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.01127	100000.	1127.	98980.	7508468.	75.08	2284.	26.
1- 4	0.00201	98873.	199.	395002.	7409488.	74.94	7956.	4.
5- 9	0.00143	98675.	141.	493015.	7014486.	71.09	10500.	3.
10-17	0.00533	98534.	525.	787153.	6521471.	66.19	19480.	13.
18-24	0.01076	98008.	1054.	682037.	5734318.	58.51	16172.	25.
25-29	0.00746	96954.	723.	482937.	5052281.	52.11	14024.	21.
30-34	0.00638	96231.	614.	479721.	4569344.	47.48	13276.	17.
35-39	0.00975	95617.	932.	475935.	4089623.	42.77	9192.	18.
40-44	0.00900	94685.	852.	471468.	3613688.	38.17	7192.	13.
45-49	0.01968	93832.	1847.	465173.	3142220.	33.49	6800.	27.
50-54	0.02224	91985.	2046.	455263.	2677047.	29.10	7344.	33.
55-59	0.04672	89940.	4202.	439929.	2221784.	24.70	7224.	69.
60-64	0.06694	85738.	5739.	415460.	1781855.	20.78	6732.	93.
65-69	0.10532	79998.	8425.	380234.	1366395.	17.08	5912.	131.
70-74	0.14832	71573.	10616.	332759.	986161.	13.78	5172.	165.
75-79	0.22928	60957.	13977.	269844.	653402.	10.72	3900.	202.
80-84	0.34942	46981.	16416.	192714.	383558.	8.16	2524.	215.
85-99	1.00000	30565.	30565.	190843.	190843.	6.24	2048.	328.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.408 yrs.

at Age 65: 0.242 yrs.

TABLE II-14
ABRIDGED LIFE TABLE FOR THE TOTAL POPULATION, WINDSOR COUNTY, 1979-82

AGE	Q	l	d	L	T	e	POPULATION	DEATHS
0- 0	0.00979	100000.	979.	99114.	7560347.	75.60	2936.	29.
1- 4	0.00379	99021.	375.	395157.	7461233.	75.35	10532.	10.
5- 9	0.00279	98646.	275.	492528.	7066076.	71.63	14304.	8.
10-17	0.00431	98370.	424.	786060.	6573548.	66.82	27800.	15.
18-24	0.00751	97946.	736.	682818.	5787488.	59.09	21352.	23.
25-29	0.00394	97211.	383.	485082.	5104670.	52.51	17728.	14.
30-34	0.00331	96828.	320.	483390.	4619588.	47.71	16600.	11.
35-39	0.00698	96507.	674.	480984.	4136198.	42.86	13564.	19.
40-44	0.01260	95834.	1208.	476396.	3655214.	38.14	10256.	26.
45-49	0.01739	94626.	1645.	469575.	3178818.	33.59	9704.	34.
50-54	0.02927	92981.	2722.	458697.	2709243.	29.14	10280.	61.
55-59	0.04013	90259.	3622.	442872.	2250546.	24.93	11248.	92.
60-64	0.07261	86636.	6291.	418682.	1807674.	20.87	10516.	158.
65-69	0.10427	80346.	8378.	382084.	1388992.	17.29	9304.	204.
70-74	0.16073	71968.	11568.	332484.	1006908.	13.99	6812.	237.
75-79	0.22096	60401.	13346.	268638.	674424.	11.17	5012.	249.
80-84	0.30709	47054.	14450.	198136.	405786.	8.62	3236.	236.
85-99	1.00000	32605.	32605.	207650.	207650.	6.37	2936.	461.

For the definitions of the column headings, see Appendix A.

Standard Error of Expectation of Life (e) at Birth: 0.346 yrs.

at Age 65: 0.211 yrs.

SECTION III

INTRODUCTION

This section contains abridged life tables for the state total, male, and female populations representing the hypothetical situation that various causes of death could be completely eliminated. This assumes that the elimination of mortality from the specified cause will not affect mortality from the remaining causes.[7/] (See Appendix B.)

Eight major causes were selected for elimination: heart disease, cancer, stroke, motor vehicle accidents, other accidents, influenza and pneumonia, chronic obstructive pulmonary disease (COPD), and a final cause, total respiratory, which includes respiratory tuberculosis, respiratory cancer, influenza and pneumonia, COPD, and all other respiratory deaths. Figure III-1 displays the relative magnitude of deaths from these causes, except total respiratory, for the years 1979-82, by major age cohorts.

Figure III-2 presents graphs of the gains in years of life expectancy, by age and sex, that would be realized by the elimination of each of the eight specified causes. Tables III-1 through III-3 summarize the data from the life tables upon which the graphs were drawn.

The life table functions (columns) are defined in Appendix A. The main functions are shown graphically. Graphs of life expectancy, e, are contained in Sections I and II (Figures I-4 and I-5 and II-1). Graphs of the probability of dying, Q, and of the number of survivors, l, at each age are included in Appendix A (Figures A-1 and A-2). These three functions are all plotted vs. age on an arithmetic scale.

The function Q, probability of dying, is the basic life table function, derived from the age-specific mortality of the population of interest. The increasing probability of dying causes an increaseingly steep curve with increasing age, but with some fluctuation in the young adult ages, 15-30. To enlarge the graph at these young adult ages and to examine the exponential character of this biologic function, death, the Q function has also been drawn on logarithmic scale for each sex. (Figures III-3 and III-4). The pattern is generally a straight line (exponential function) from 0 to 1.0, interrupted by a bulge for ages 15-30, greater for males than for females. This reflects the "unnatural" accidental deaths and suicides of young adulthood. There is also the deviation for ages under 5, reflecting the special hazards of the perinatal period and of accidents.

Figures III-5 and III-6 illustrate the effect on the Q function of removing deaths from heart, cancer and accidents. The removal of motor vehicle and other accidents (and of suicides for males) removes much of the increased probability during ages 15-30. There remains for females a small peak at ages 10-14. Of the 33 female deaths, aged 10-14 for 1979-82, only 12 (36%) were accidental. Among the balance were 4 cancer deaths, 3 from nutritional and metabolic diseases, 3 from congenital anomalies, leaving 11 from assorted other causes. Therefore no single cause is responsible for the peak.

For the ages 30 and above, the removal of cancer would be most effective in reducing the probability of dying among women, while the removal of heart deaths would be most effective for men. Note that the crossover of heart and cancer lines for men occurs at age 40, while for women crossover occurs at age 65. The effects of the removal of other causes were examined but not added to these graphs. Removal of total respiratory disease and stroke produced only a very slight change in probability of dying.

The function Q is graphed for two points in time, 1960 and 1980, on Figures III-3 and III-4. Probably the most significant change in mortality in the past 20 years has been the reduction in deaths due to heart disease and stroke. Among Vermonters, deaths from these 2 causes have reduced from being 51% of all deaths in the 1959-61 period to 46% of deaths in the 1979-81 period. This represents a 31% (33% M, 28% F) reduction in rate over the 20 year span, from 567 per 100,000 population to 392. This is surely the major contribution to the 20-30% reduction in Q from 1960 to 1980 for ages 40 and above for both sexes, as illustrated by approximately straight and parallel lines on the graphs.

FIGURE III-1

PERCENTAGE OF DEATHS BY AGE GROUP AND CAUSE OF DEATH, VERMONT, 1979 - 1982

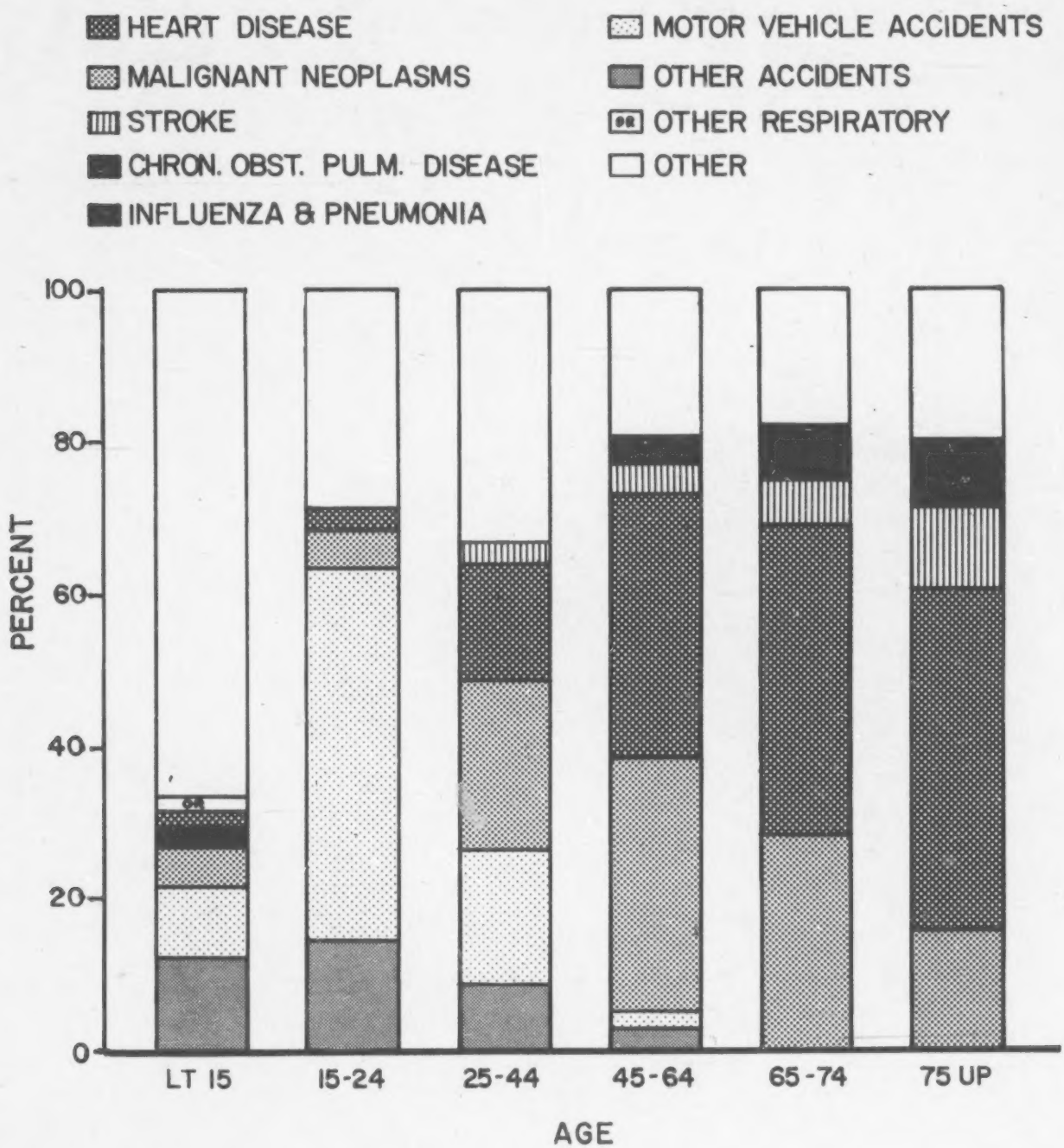


FIGURE III-2

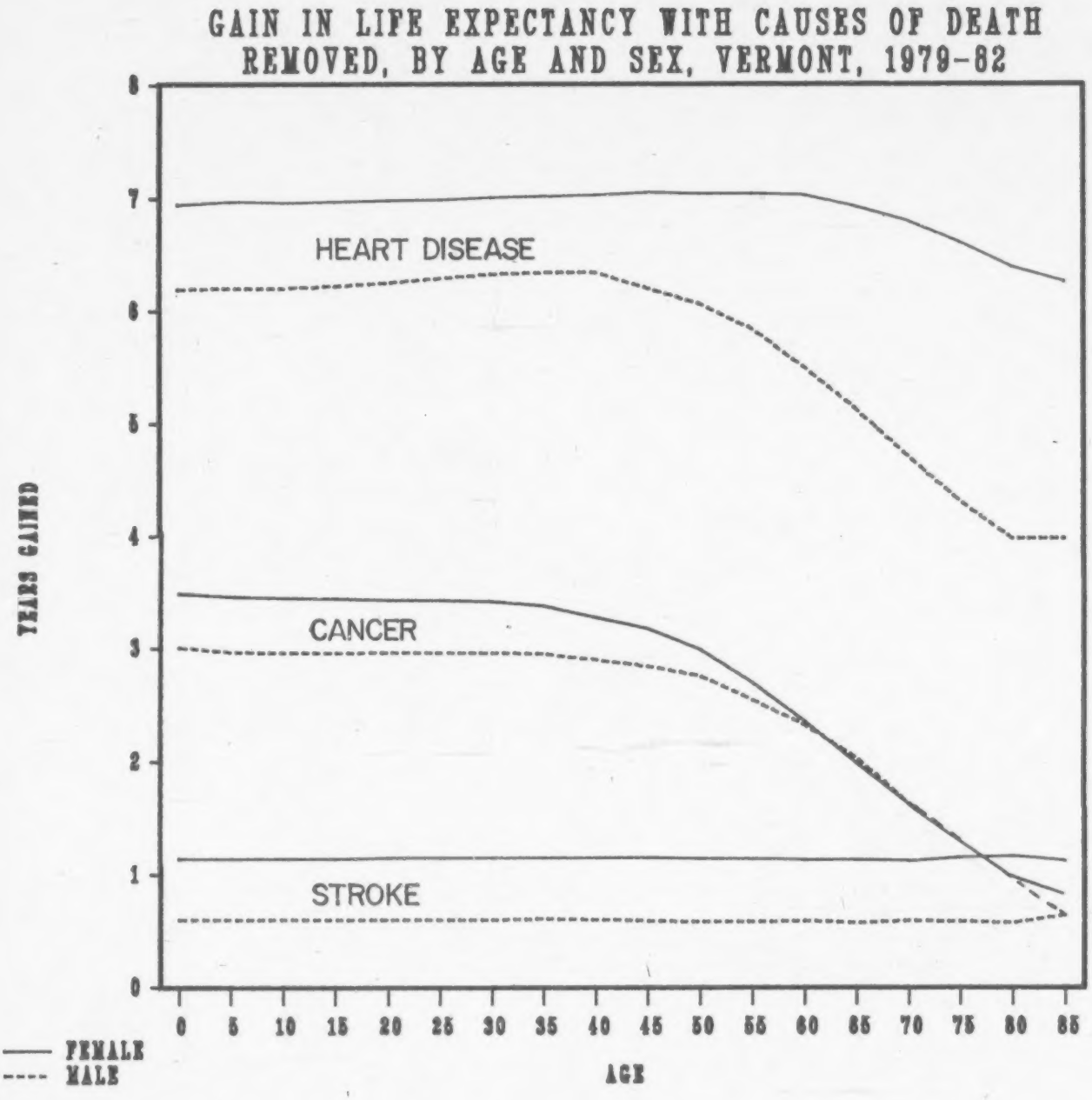
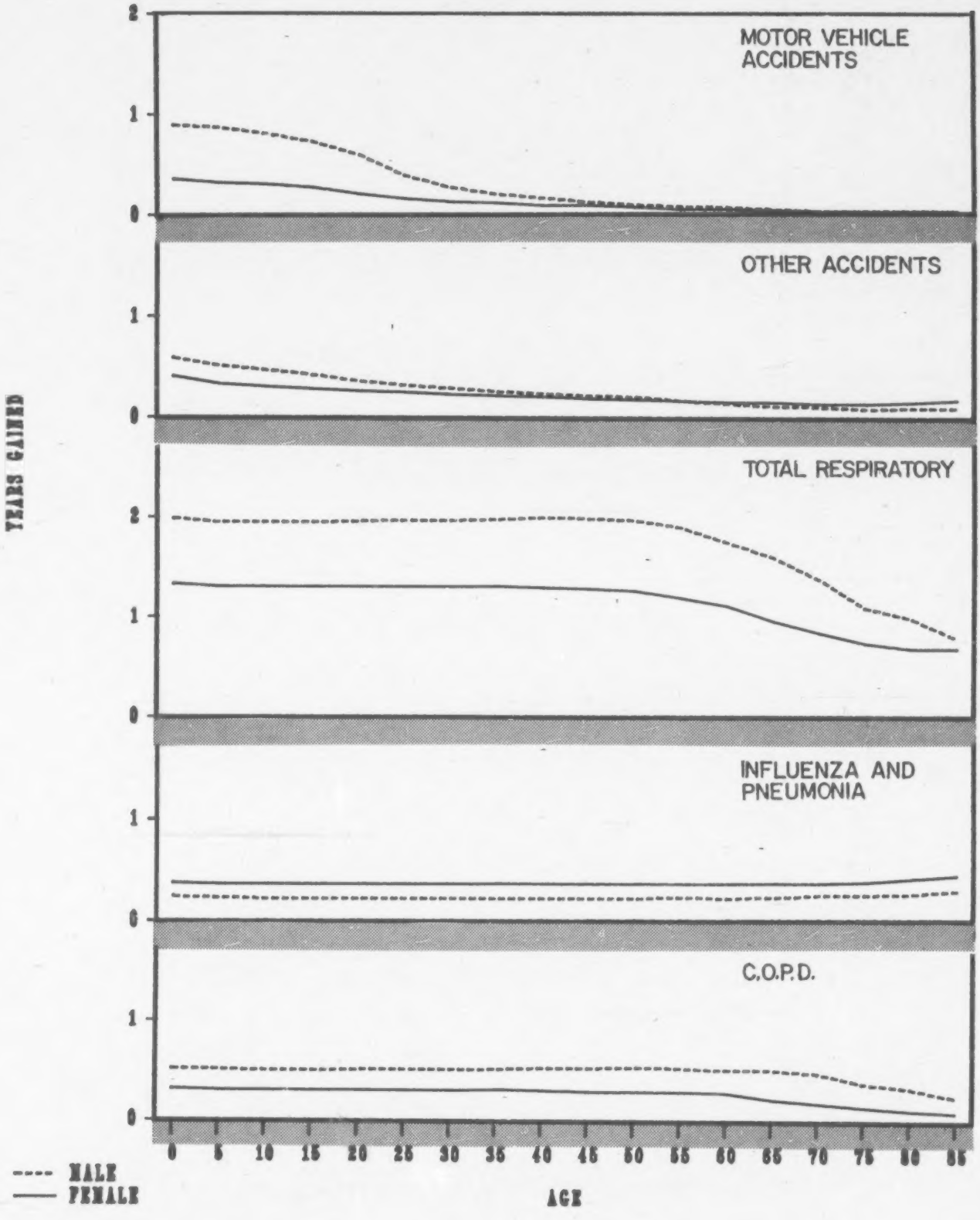

GAIN IN LIFE EXPECTANCY WITH CAUSES OF DEATH REMOVED, BY AGE AND SEX, VERMONT, 1979-82
YEARS GAINED
AGE
HEART DISEASE
CANCER
STROKE
FEMALE
MALE
0
1
2
3
4
5
6
7
8
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85

FIGURE III-2 cont'd



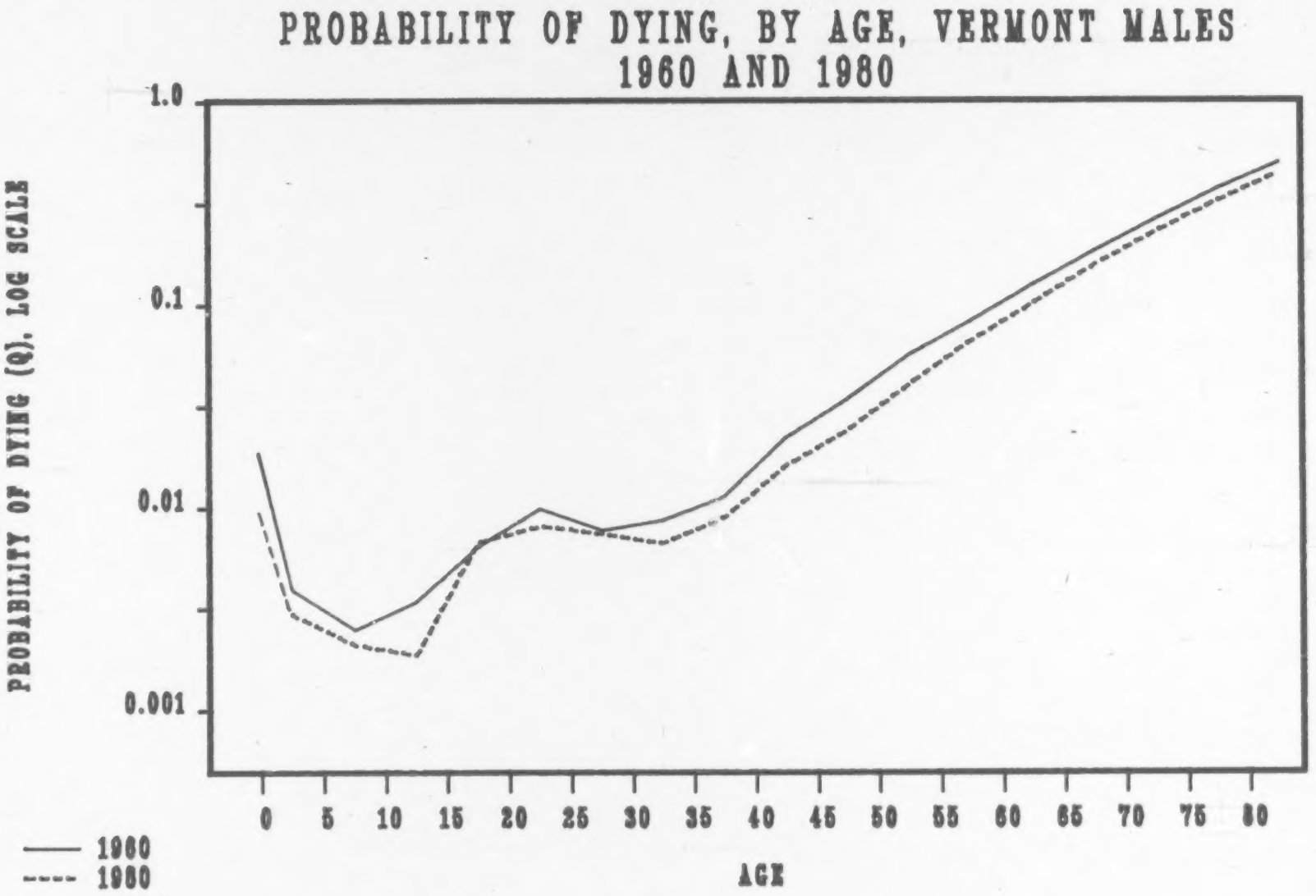

PROBABILITY OF DYING, BY AGE, VERMONT MALES
1960 AND 1980
PROBABILITY OF DYING (Q), LOG SCALE
1.0
0.1
0.01
0.001
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
AGE
1960
1980

FIGURE III-3

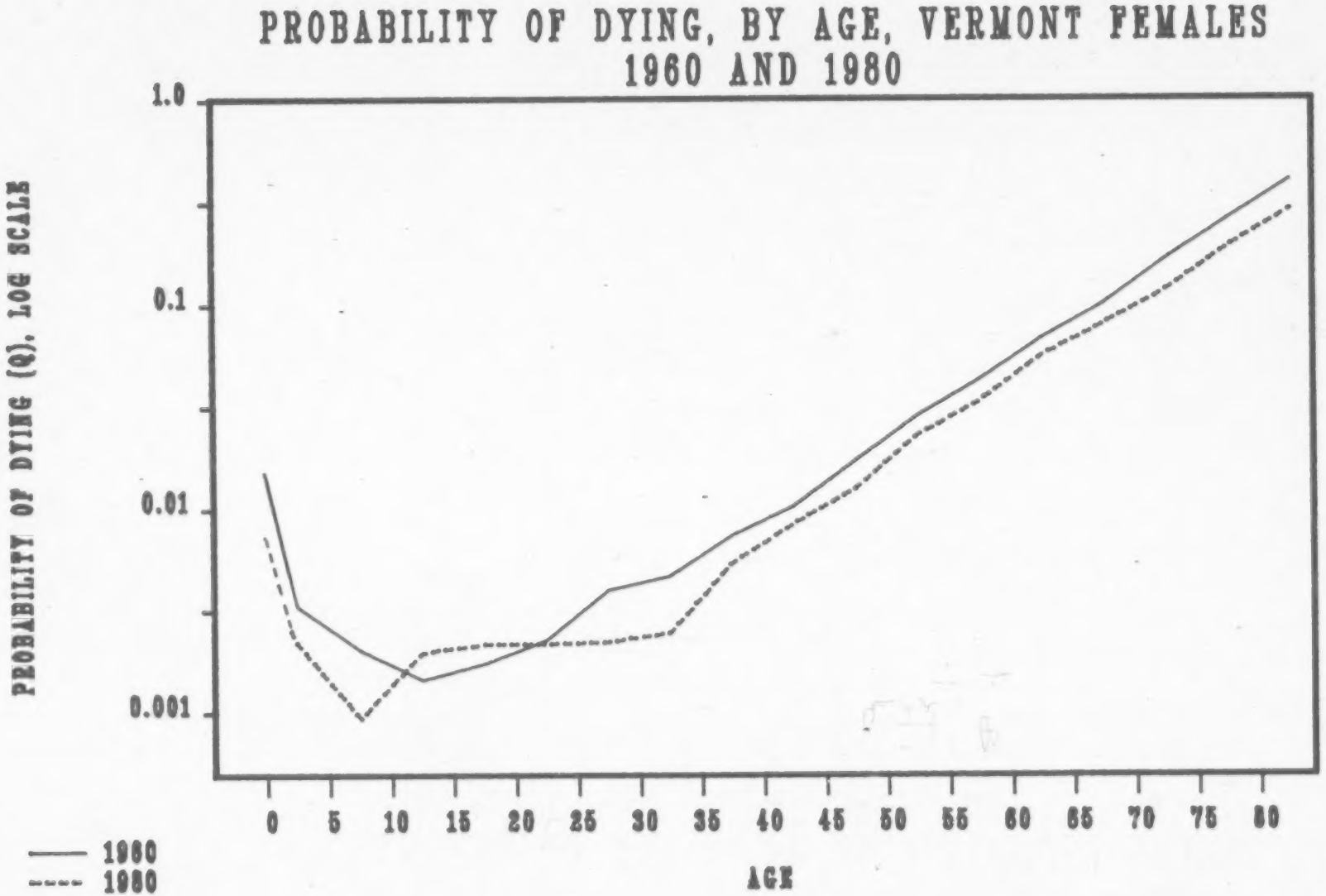

PROBABILITY OF DYING, BY AGE, VERMONT FEMALES
1960 AND 1980
PROBABILITY OF DYING (Q), LOG SCALE
1.0
0.1
0.01
0.001
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
AGE
1960
1980

FIGURE III-4

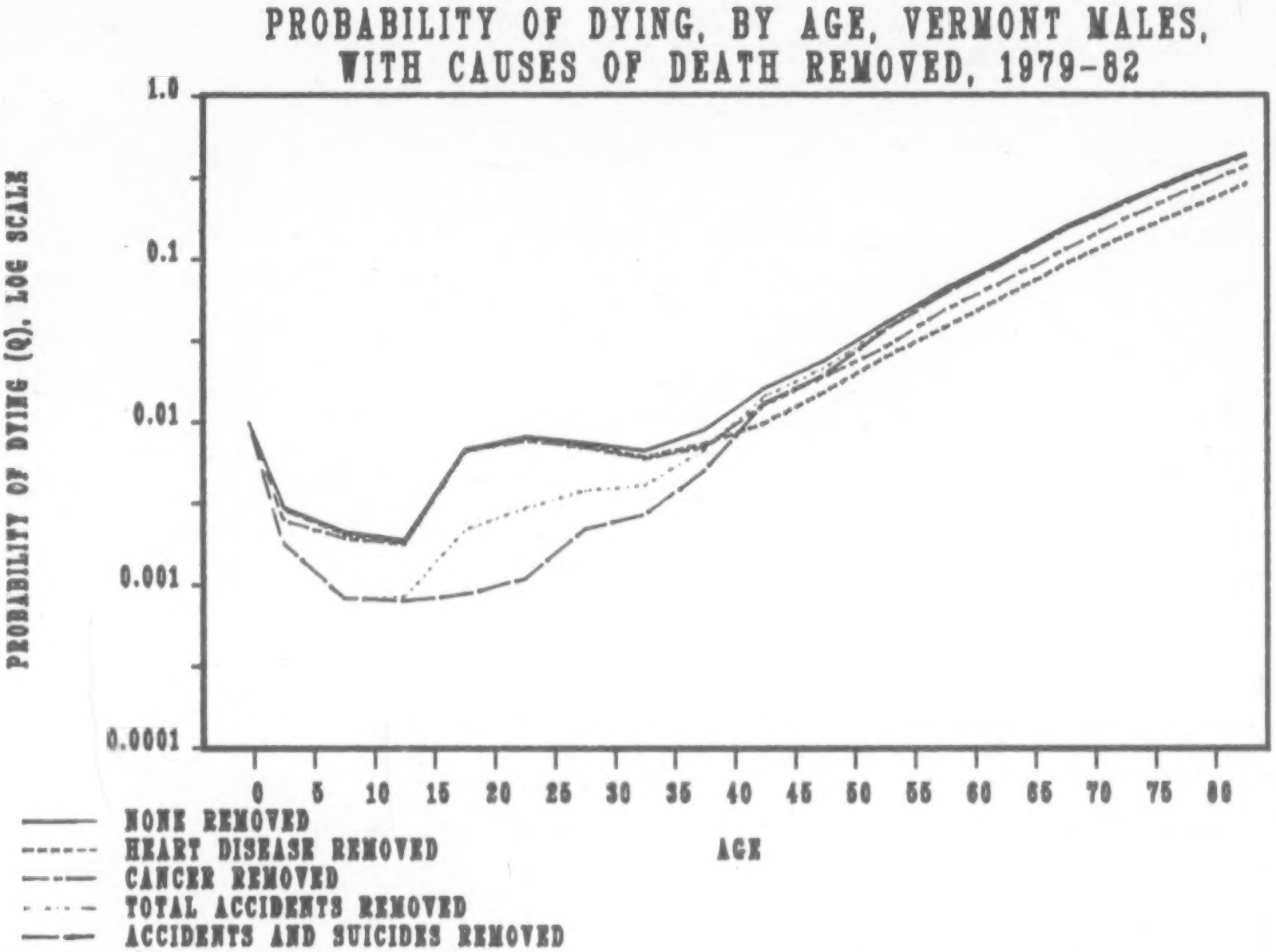

PROBABILITY OF DYING, BY AGE, VERMONT MALES, WITH CAUSES OF DEATH REMOVED, 1979-82
PROBABILITY OF DYING (Q), LOG SCALE
1.0
0.1
0.01
0.001
0.0001
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
AGE
NONE REMOVED
HEART DISEASE REMOVED
CANCER REMOVED
TOTAL ACCIDENTS REMOVED
ACCIDENTS AND SUICIDES REMOVED

FIGURE III-5

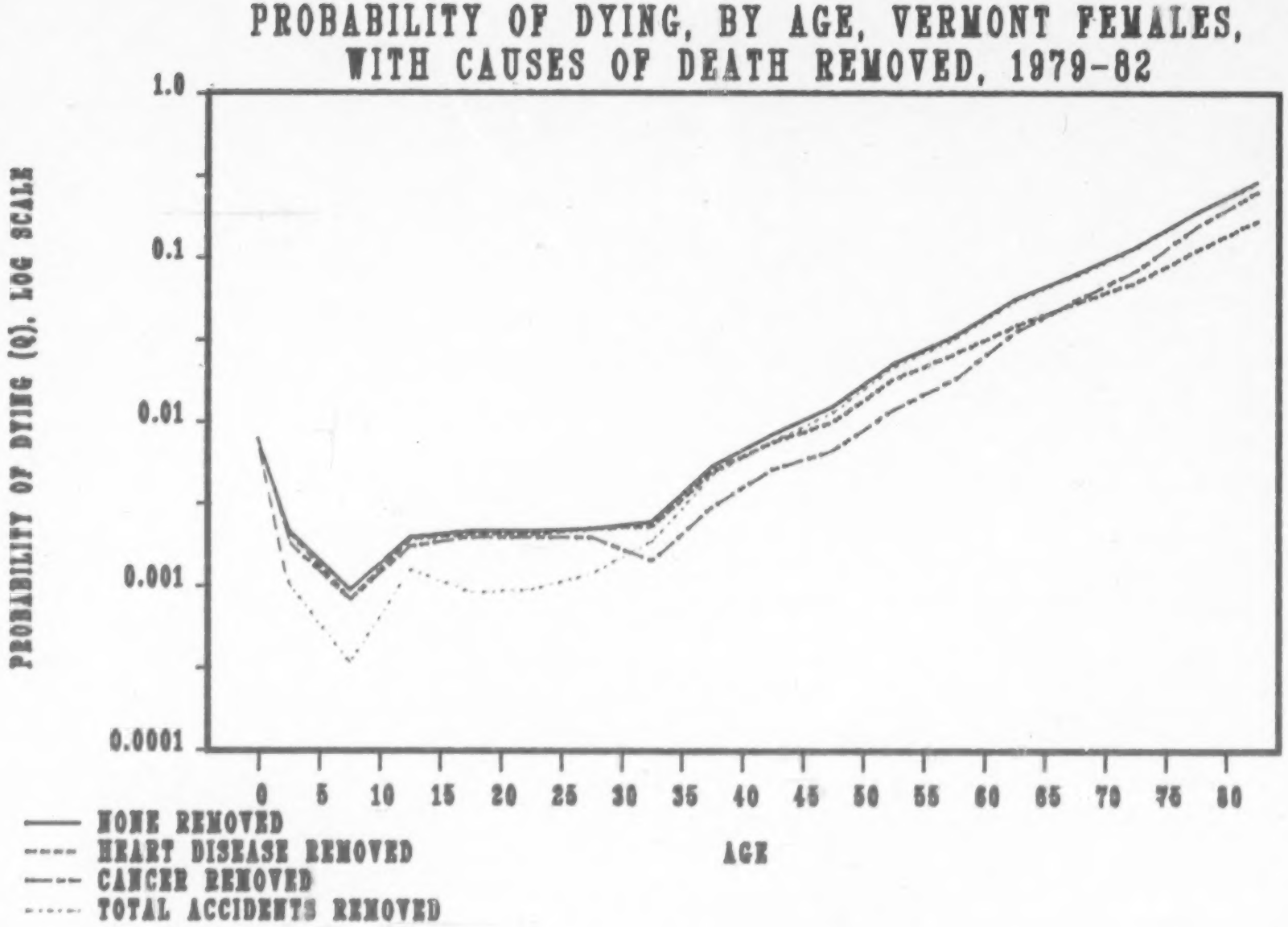

PROBABILITY OF DYING, BY AGE, VERMONT FEMALES, WITH CAUSES OF DEATH REMOVED, 1979-82
PROBABILITY OF DYING (Q), LOG SCALE
1.0
0.1
0.01
0.001
0.0001
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
AGE
NONE REMOVED
HEART DISEASE REMOVED
CANCER REMOVED
TOTAL ACCIDENTS REMOVED

FIGURE III-6

TABLE III-1
GAIN IN EXPECTATION OF LIFE, DUE TO ELIMINATION OF SPECIFIED CAUSES OF DEATH,* BY AGE
VERMONT TOTAL POPULATION, 1979-82

FROM AGE	GAIN IN YEARS							
	HEART DISEASE	CANCER	STROKE	MOT.VEH. ACCIDENTS	OTHER ACCIDENTS	INFLUENZA PNEUMO.	COPD	TOTAL RESP.
0	6.81	3.29	0.88	0.65	0.51	0.32	0.44	1.76
5	6.87	3.29	0.87	0.61	0.43	0.30	0.44	1.73
18	6.90	3.29	0.88	0.49	0.35	0.29	0.44	1.73
25	6.94	3.29	0.89	0.29	0.31	0.30	0.45	1.74
35	6.98	3.26	0.89	0.17	0.25	0.30	0.45	1.75
45	6.91	3.10	0.87	0.10	0.21	0.30	0.44	1.72
55	6.72	2.73	0.87	0.06	0.18	0.30	0.45	1.64
65	6.29	2.11	0.87	0.04	0.14	0.32	0.39	1.35
75	5.75	1.33	0.91	0.02	0.12	0.34	0.27	0.94
85	5.44	0.78	0.94	0.01	0.15	0.41	0.15	0.74

*See Appendix B for complete names and ICD 9 Cause Codes.

TABLE III-2
GAIN IN EXPECTATION OF LIFE, DUE TO ELIMINATION OF SPECIFIED CAUSES OF DEATH,* BY AGE
VERMONT MALE POPULATION, 1979-82

FROM AGE	GAIN IN YEARS							
	HEART DISEASE	CANCER	STROKE	MOT.VEH. ACCIDENTS	OTHER ACCIDENTS	INFLUENZA PNEUMO.	COPD	TOTAL RESP.
0	6.14	2.97	0.60	0.89	0.58	0.26	0.50	1.99
5	6.20	2.97	0.60	0.87	0.51	0.23	0.51	1.95
18	6.23	2.97	0.60	0.70	0.40	0.22	0.51	1.95
25	6.29	2.97	0.60	0.39	0.32	0.22	0.51	1.97
35	6.34	2.96	0.61	0.20	0.26	0.22	0.52	1.98
45	6.20	2.85	0.59	0.12	0.22	0.22	0.53	1.99
55	5.84	2.56	0.58	0.07	0.17	0.22	0.53	1.90
65	5.13	2.05	0.57	0.04	0.12	0.25	0.51	1.60
75	4.31	1.30	0.58	0.02	0.09	0.26	0.38	1.09
85	3.98	0.66	0.64	0.01	0.10	0.33	0.24	0.78

*See Appendix B for complete names and ICD 9 Cause Codes.

TABLE III-3
GAIN IN EXPECTATION OF LIFE, DUE TO ELIMINATION OF SPECIFIED CAUSES OF DEATH,* BY AGE
VERMONT FEMALE POPULATION, 1979-82

FROM AGE	GAIN IN YEARS							
	HEART DISEASE	CANCER	STROKE	MOT.VEH. ACCIDENTS	OTHER ACCIDENTS	INFLUENZA PNEUMO.	COPD	TOTAL RESP.
0	6.91	3.46	1.14	0.36	0.41	0.37	0.31	1.33
5	6.97	3.46	1.14	0.32	0.33	0.36	0.30	1.30
18	6.98	3.44	1.15	0.24	0.27	0.36	0.31	1.31
25	6.99	3.43	1.15	0.15	0.25	0.36	0.30	1.30
35	7.02	3.38	1.15	0.11	0.22	0.37	0.31	1.31
45	7.05	3.18	1.15	0.08	0.19	0.36	0.29	1.28
55	7.04	2.71	1.14	0.04	0.17	0.36	0.29	1.19
65	6.93	2.00	1.13	0.03	0.16	0.37	0.22	0.96
75	6.61	1.26	1.15	0.01	0.14	0.38	0.14	0.73
85	6.26	0.83	1.12	0.01	0.18	0.44	0.09	0.68

*See Appendix B for complete names and ICD 9 Cause Codes.

TABLE III-4
ABRIDGED LIFE TABLES WITH HEART DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00907	100000.	907.	99179.	8168259.	81.68	6.81	9.10	281
1- 4	0.00254	99093.	252.	395750.	8069080.	81.43	6.86	9.20	72
5- 9	0.00145	98841.	144.	493842.	7673330.	77.63	6.87	9.71	44
10-17	0.00425	98698.	419.	788691.	7179488.	72.74	6.88	10.45	152
18-24	0.00701	98279.	689.	685321.	6390797.	65.03	6.90	11.87	286
25-29	0.00467	97589.	456.	486792.	5705476.	58.46	6.94	13.47	168
30-34	0.00419	97134.	407.	484719.	5218684.	53.73	6.97	14.91	142
35-39	0.00620	96727.	600.	482253.	4733965.	48.94	6.98	16.63	161
40-44	0.00871	96127.	837.	478716.	4251712.	44.23	6.98	18.74	175
45-49	0.01269	95290.	1209.	473841.	3772996.	39.59	6.91	21.14	241
50-54	0.02167	94082.	2039.	465759.	3299155.	35.07	6.84	24.23	423
55-59	0.03176	92043.	2923.	453418.	2833396.	30.78	6.72	27.93	606
60-64	0.04831	89120.	4305.	435675.	2379978.	26.71	6.54	32.42	831
65-69	0.07184	84814.	6093.	409785.	1944303.	22.92	6.29	37.82	1105
70-74	0.10002	78722.	7873.	374988.	1534518.	19.49	6.02	44.69	1276
75-79	0.14670	70848.	10393.	328258.	1159530.	16.37	5.75	54.14	1420
80-84	0.21041	60455.	12720.	269583.	831273.	13.75	5.49	66.46	1354
85 UP	1.00000	47735.	47735.	561689.	561689.	11.77	5.44	85.94	2042

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.130 yrs.
Male = 0.178
Female= 0.179

Standard Error of Expectation of Life (e) at Age 65: Total = 0.096 yrs.
Male = 0.131
Female= 0.129

TABLE III-4,cont.

AGE	Q	I	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00953	100000.	953.	99137.	7721338.	77.21	6.14	8.64	153
1- 4	0.00296	99047.	293.	395462.	7622200.	76.96	6.19	8.75	43
5- 9	0.00205	98754.	202.	493253.	7226738.	73.18	6.20	9.26	32
10-17	0.00522	98551.	515.	787315.	6733485.	68.32	6.20	9.98	96
18-24	0.01131	98037.	1109.	682025.	5946169.	60.65	6.23	11.45	226
25-29	0.00719	96928.	697.	482871.	5264144.	54.31	6.29	13.10	127
30-34	0.00606	96231.	583.	479791.	4781273.	49.69	6.33	14.60	103
35-39	0.00734	95647.	703.	476618.	4301482.	44.97	6.34	16.41	96
40-44	0.00985	94945.	935.	472579.	3824864.	40.29	6.34	18.67	99
45-49	0.01530	94010.	1438.	466944.	3352285.	35.66	6.20	21.05	145
50-54	0.02505	92572.	2319.	457571.	2885341.	31.17	6.06	24.13	239
55-59	0.03813	90252.	3441.	443262.	2427770.	26.90	5.84	27.73	346
60-64	0.05929	86812.	5147.	422195.	1984508.	22.86	5.50	31.68	478
65-69	0.09338	81665.	7626.	390442.	1562313.	19.13	5.13	36.64	664
70-74	0.13885	74039.	10280.	345882.	1171871.	15.83	4.71	42.36	754
75-79	0.19942	63759.	12714.	287006.	825990.	12.95	4.31	49.88	771
80-84	0.28935	51044.	14770.	217262.	538983.	10.56	3.98	60.49	645
85 UP	1.00000	36274.	36274.	321721.	321721.	8.87	3.98	81.39	718
FEMALE									
0- 0	0.00857	100000.	857.	99224.	8558480.	85.58	6.91	8.78	128
1- 4	0.00210	99143.	208.	396057.	8459256.	85.32	6.96	8.88	29
5- 9	0.00082	98935.	81.	494469.	8063199.	81.50	6.97	9.35	12
10-17	0.00322	98854.	318.	790155.	7568730.	76.56	6.96	10.00	56
18-24	0.00298	98536.	294.	688666.	6778575.	68.79	6.98	11.29	60
25-29	0.00224	98252.	220.	490700.	6089909.	61.98	6.99	12.71	41
30-34	0.00230	98032.	226.	489630.	5599208.	57.12	7.01	13.99	39
35-39	0.00504	97806.	493.	487893.	5109578.	52.24	7.02	15.52	65
40-44	0.00757	97313.	736.	484875.	4621685.	47.49	7.03	17.38	76
45-49	0.01008	96577.	974.	480780.	4136810.	42.83	7.05	19.70	96
50-54	0.01844	95603.	1763.	473994.	3656031.	38.24	7.04	22.56	184
55-59	0.02598	93840.	2438.	463531.	3182036.	33.91	7.04	26.20	260
60-64	0.03363	91402.	3531.	448872.	2718505.	29.74	7.03	30.96	353
65-69	0.05331	87871.	4685.	428371.	2269633.	25.83	6.93	36.67	441
70-74	0.07124	83187.	5926.	401918.	1841262.	22.13	6.80	44.36	522
75-79	0.11164	77261.	8625.	364740.	1439344.	18.63	6.61	54.99	649
80-84	0.16857	68635.	11570.	313442.	1074604.	15.66	6.39	68.93	709
85 UP	1.00000	57066.	57066.	761162.	761162.	13.34	6.26	88.42	1324

TABLE III-5
ABRIDGED LIFE TABLES WITH CANCER DEATHS REMOVED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00923	100000.	923.	99165.	7816290.	78.16	3.29	4.39	286
1- 4	0.00215	99077.	213.	395781.	7717125.	77.89	3.32	4.45	61
5- 9	0.00139	98864.	137.	493971.	7321344.	74.05	3.29	4.65	42
10-17	0.00411	98727.	406.	788952.	6827373.	69.15	3.29	5.00	147
18-24	0.00679	98321.	668.	685700.	6038422.	61.42	3.29	5.66	277
25-29	0.00439	97653.	429.	487179.	5352721.	54.81	3.29	6.39	158
30-34	0.00369	97224.	359.	485285.	4865542.	50.04	3.28	7.01	125
35-39	0.00505	96866.	489.	483203.	4380257.	45.22	3.26	7.77	131
40-44	0.00900	96377.	868.	479894.	3897054.	40.44	3.19	8.56	181
45-49	0.01284	95509.	1227.	474897.	3417161.	35.78	3.10	9.49	244
50-54	0.02015	94233.	1900.	467082.	2942263.	31.21	2.98	10.56	393
55-59	0.03284	92383.	3034.	454861.	2475181.	26.79	2.73	11.35	627
60-64	0.05341	89349.	4772.	435746.	2020320.	22.61	2.44	12.10	921
65-69	0.08277	84577.	7001.	406468.	1584574.	18.74	2.11	12.69	1280
70-74	0.12341	77576.	9574.	365239.	1178107.	15.19	1.72	12.77	1593
75-79	0.19699	68002.	13396.	306522.	812868.	11.95	1.33	12.52	1960
80-84	0.29303	54606.	16001.	231908.	506346.	9.27	1.01	12.23	1980
85 UP	1.00000	38605.	38605.	274438.	274438.	7.11	0.78	12.32	3380

For the definitions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.111 yrs.
Male = 0.158
Female= 0.146

Standard Error of Expectation of Life (e) at Age 65: Total = 0.075 yrs.
Male = 0.104
Female= 0.099

TABLE III-5,cont.

AGE	q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00978	100000.	978.	99115.	7403829.	74.04	2.97	4.18	157
1- 4	0.00248	99022.	245.	395482.	7304714.	73.77	3.00	4.24	36
5- 9	0.00192	98777.	190.	493400.	6909233.	69.95	2.97	4.43	30
10-17	0.00517	98587.	510.	787611.	6415833.	65.08	2.96	4.76	95
18-24	0.01101	98077.	1080.	682421.	5628222.	57.39	2.97	5.46	220
25-29	0.00691	96997.	670.	483287.	4945801.	50.99	2.97	6.18	122
30-34	0.00594	96327.	572.	480298.	4462514.	46.33	2.97	6.85	101
35-39	0.00704	95755.	674.	477219.	3982216.	41.59	2.96	7.66	92
40-44	0.01281	95081.	1218.	472607.	3504996.	36.86	2.91	8.57	129
45-49	0.01896	93862.	1780.	465467.	3032390.	32.31	2.85	9.67	180
50-54	0.02868	92082.	2640.	454392.	2566923.	27.88	2.77	11.03	274
55-59	0.04889	89442.	4373.	437043.	2112530.	23.62	2.56	12.16	446
60-64	0.07366	85069.	6266.	410900.	1675488.	19.70	2.34	13.48	598
65-69	0.11415	78802.	8995.	372919.	1264588.	16.05	2.05	14.64	820
70-74	0.17632	69807.	12309.	319927.	891669.	12.77	1.65	14.84	976
75-79	0.25973	57499.	14934.	250158.	571742.	9.94	1.30	15.05	1039
80-84	0.36896	42565.	15705.	172461.	321584.	7.56	0.98	14.89	864
85 UP	1.00000	26860.	26860.	149122.	149122.	5.55	0.66	13.50	1147
FEMALE									
0- 0	0.00864	100000.	864.	99218.	8212721.	82.13	3.46	4.40	129
1- 4	0.00181	99135.	179.	396101.	8113503.	81.84	3.48	4.44	25
5- 9	0.00082	98957.	81.	494579.	7717402.	77.99	3.46	4.64	12
10-17	0.00299	98876.	296.	790379.	7222823.	73.05	3.45	4.96	52
18-24	0.00274	98580.	270.	689033.	6432444.	65.25	3.44	5.57	57
25-29	0.00197	98310.	193.	491062.	5743411.	58.42	3.43	6.24	36
30-34	0.00142	98117.	139.	490260.	5252349.	53.53	3.42	6.82	24
35-39	0.00303	97978.	296.	489206.	4762090.	48.60	3.38	7.47	39
40-44	0.00518	97681.	506.	487245.	4272884.	43.74	3.28	8.11	52
45-49	0.00673	97175.	654.	484462.	3785539.	38.96	3.18	8.89	64
50-54	0.01195	96521.	1155.	479972.	3301177.	34.20	3.00	9.62	119
55-59	0.01815	95366.	1731.	472807.	2821205.	29.58	2.71	10.09	181
60-64	0.03540	93635.	3314.	460537.	2348398.	25.08	2.37	10.44	323
65-69	0.05555	90321.	5017.	439838.	1887861.	20.90	2.00	10.58	460
70-74	0.08369	85303.	7139.	409633.	1448023.	16.97	1.64	10.70	617
75-79	0.15481	78164.	12100.	360571.	1038390.	13.28	1.26	10.48	921
80-84	0.25276	66064.	16698.	287405.	677819.	10.26	0.99	10.68	1116
85 UP	1.00000	49366.	49366.	390414.	390414.	7.91	0.83	11.72	2233

TABLE III-6
ABRIDGED LIFE TABLES WITH STROKE DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00913	100000.	913.	99173.	7574503.	75.75	0.88	1.18	283
1- 4	0.00257	99087.	255.	395716.	7475329.	75.44	0.87	1.17	73
5- 9	0.00155	98832.	153.	493768.	7079613.	71.63	0.87	1.23	47
10-17	0.00439	98678.	433.	788505.	6585845.	66.74	0.88	1.34	157
18-24	0.00713	98245.	701.	685043.	5797340.	59.01	0.88	1.51	291
25-29	0.00473	97544.	461.	486553.	5112297.	52.41	0.89	1.73	170
30-34	0.00445	97083.	432.	484408.	4625744.	47.65	0.89	1.90	151
35-39	0.00693	96651.	670.	481713.	4141337.	42.85	0.89	2.12	180
40-44	0.01187	95982.	1140.	477292.	3659624.	38.13	0.88	2.36	239
45-49	0.01749	94842.	1659.	470626.	3182331.	33.55	0.87	2.66	333
50-54	0.03061	93183.	2853.	459411.	2711705.	29.10	0.87	3.08	600
55-59	0.04754	90330.	4294.	441667.	2252294.	24.93	0.87	3.62	914
60-64	0.07347	86036.	6321.	415610.	1810627.	21.04	0.87	4.31	1279
65-69	0.11139	79715.	8880.	377752.	1395017.	17.50	0.87	5.23	1747
70-74	0.15613	70835.	11060.	328020.	1017265.	14.36	0.89	6.61	2049
75-79	0.22702	59776.	13570.	264953.	689244.	11.53	0.91	8.57	2297
80-84	0.31376	46205.	14498.	193769.	424292.	9.18	0.92	11.14	2147
85 UP	1.00000	31708.	31708.	230523.	230523.	7.27	0.94	14.85	3305

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.112 yrs.
Male = 0.154
Female= 0.154

Standard Error of Expectation of Life (e) at Age 65: Total = 0.075 yrs.
Male = 0.100
Female= 0.103

TABLE III-6,cont.

AGE	C	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00972	100000.	972.	99121.	7167102.	71.67	0.60	0.84	156
1- 4	0.00296	99028.	293.	395388.	7067981.	71.37	0.60	0.85	43
5- 9	0.00211	98735.	209.	493145.	6672593.	67.58	0.60	0.90	33
10-17	0.00533	98527.	525.	787095.	6179448.	62.72	0.60	0.97	98
18-24	0.01146	98001.	1123.	681724.	5392353.	55.02	0.60	1.10	229
25-29	0.00730	96878.	708.	482596.	4710629.	48.62	0.60	1.25	129
30-34	0.00653	96170.	628.	479336.	4228033.	43.96	0.60	1.38	111
35-39	0.00849	95543.	811.	475843.	3748647.	39.24	0.61	1.58	111
40-44	0.01557	94732.	1475.	470272.	3272803.	34.55	0.60	1.77	157
45-49	0.02303	93256.	2148.	461642.	2802531.	30.05	0.59	2.00	219
50-54	0.03957	91109.	3605.	447324.	2340889.	25.69	0.58	2.31	380
55-59	0.06474	87504.	5665.	424348.	1893565.	21.64	0.58	2.75	595
60-64	0.09603	81839.	7859.	391080.	1469217.	17.95	0.59	3.40	788
65-69	0.15228	73980.	11266.	343482.	1078138.	14.57	0.57	4.07	1115
70-74	0.21622	62714.	13560.	281502.	734656.	11.71	0.59	5.31	1222
75-79	0.30403	49154.	14945.	208409.	453154.	9.22	0.58	6.71	1248
80-84	0.41694	34210.	14263.	134391.	244745.	7.15	0.57	8.66	1007
85 UP	1.00000	19946.	19946.	110354.	110354.	5.53	0.64	13.09	1151
FEMALE									
0- 0	0.00851	100000.	851.	99230.	7981473.	79.81	1.14	1.45	127
1- 4	0.00217	99149.	215.	396066.	7882242.	79.50	1.14	1.45	30
5- 9	0.00095	98934.	94.	494432.	7486176.	75.67	1.14	1.53	14
10-17	0.00339	98840.	335.	790007.	6991744.	70.74	1.14	1.64	59
18-24	0.00298	98505.	293.	688414.	6201737.	62.96	1.15	1.86	62
25-29	0.00224	98211.	220.	490499.	5513324.	56.14	1.15	2.09	41
30-34	0.00236	97991.	232.	489416.	5022825.	51.26	1.15	2.29	40
35-39	0.00535	97760.	523.	487594.	4533409.	46.37	1.15	2.54	69
40-44	0.00816	97237.	794.	484363.	4045815.	41.61	1.15	2.84	82
45-49	0.01196	96443.	1154.	479724.	3561452.	36.93	1.15	3.21	114
50-54	0.02201	95289.	2097.	471665.	3081727.	32.34	1.14	3.65	220
55-59	0.03179	93192.	2962.	459073.	2610062.	28.01	1.14	4.24	319
60-64	0.05336	90230.	4814.	440052.	2150989.	23.84	1.13	4.98	491
65-69	0.07559	85415.	6456.	411937.	1710938.	20.03	1.13	5.98	632
70-74	0.11068	78959.	8739.	374127.	1299001.	16.45	1.12	7.31	827
75-79	0.17445	70220.	12250.	320475.	924873.	13.17	1.15	9.57	1049
80-84	0.25748	57970.	14926.	251491.	604398.	10.43	1.16	12.51	1140
85 UP	1.00000	43044.	43044.	352906.	352906.	8.20	1.12	15.82	2154

TABLE III-7
ABRIDGED LIFE TABLES WITH MOTOR VEHICLE ACCIDENT DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00907	100000.	907.	99179.	7551603.	75.52	0.65	0.87	281
1- 4	0.00226	99093.	224.	395819.	7452428.	75.21	0.64	0.86	64
5- 9	0.00106	98869.	104.	494081.	7056609.	71.37	0.61	0.86	32
10-17	0.00285	98765.	282.	789520.	6562528.	66.45	0.59	0.90	102
18-24	0.00351	98483.	346.	688053.	5773008.	58.62	0.49	0.84	143
25-29	0.00309	98137.	303.	489918.	5084945.	51.81	0.29	0.56	111
30-34	0.00357	97834.	349.	488356.	4595027.	46.97	0.21	0.45	121
35-39	0.00624	97485.	608.	486024.	4106671.	42.13	0.17	0.41	162
40-44	0.01163	96877.	1126.	481800.	3620647.	37.37	0.12	0.32	234
45-49	0.01723	95751.	1650.	475190.	3138847.	32.78	0.10	0.31	328
50-54	0.03087	94101.	2905.	463882.	2663657.	28.31	0.08	0.28	605
55-59	0.04866	91196.	4437.	445665.	2199775.	24.12	0.06	0.25	936
60-64	0.07635	86759.	6624.	418526.	1754110.	20.22	0.05	0.25	1331
65-69	0.11537	80135.	9245.	378993.	1335585.	16.67	0.04	0.24	1813
70-74	0.16477	70889.	11681.	326822.	956592.	13.49	0.02	0.15	2172
75-79	0.24489	59209.	14499.	259795.	629770.	10.64	0.02	0.19	2503
80-84	0.34372	44709.	15368.	184052.	369975.	8.28	0.02	0.24	2396
85 UP	1.00000	29342.	29342.	185924.	185924.	6.34	0.01	0.16	3792

For definistions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.106 yrs.
Male = 0.146
Female= 0.097

Standard Error of Expectation of Life (e) at Age 65: Total = 0.070 yrs.
Male = 0.094
Female= 0.097

TABLE III-7,cont.

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00966	100000.	966.	99126.	7195603.	71.96	0.89	1.25	155
1- 4	0.00268	99034.	266.	395480.	7096477.	71.66	0.89	1.26	39
5- 9	0.00134	98769.	133.	493505.	6700996.	67.85	0.87	1.30	21
10-17	0.00332	98636.	327.	788389.	6207492.	62.93	0.81	1.30	61
18-24	0.00552	98303.	543.	686085.	5419103.	55.12	0.70	1.29	110
25-29	0.00465	97765.	454.	487674.	4733017.	48.41	0.39	0.81	82
30-34	0.00494	97311.	481.	485430.	4245344.	43.63	0.27	0.62	84
35-39	0.00757	96830.	733.	482457.	3759914.	38.83	0.20	0.52	99
40-44	0.01492	96096.	1440.	477177.	3277456.	34.11	0.16	0.47	151
45-49	0.02251	94656.	2131.	468680.	2800280.	29.58	0.12	0.41	214
50-54	0.03957	92526.	3661.	454282.	2331600.	25.20	0.09	0.36	380
55-59	0.06548	88865.	5818.	430796.	1877318.	21.13	0.07	0.33	602
60-64	0.09929	83046.	8245.	396226.	1446522.	17.42	0.06	0.35	816
65-69	0.15595	74801.	11665.	346650.	1050296.	14.04	0.04	0.29	1144
70-74	0.22906	63136.	14399.	281626.	703646.	11.14	0.02	0.18	1297
75-79	0.32303	48737.	15744.	204326.	422021.	8.66	0.02	0.23	1341
80-84	0.44190	32993.	14580.	127497.	217695.	6.60	0.02	0.30	1085
85 UP	1.00000	18414.	18414.	90198.	90198.	4.90	0.01	0.20	1300
FEMALE									
0- 0	0.00844	100000.	844.	99236.	7903338.	79.03	0.36	0.46	126
1- 4	0.00181	99156.	179.	396181.	7804102.	78.71	0.35	0.45	25
5- 9	0.00075	98977.	74.	494695.	7407921.	74.85	0.32	0.43	11
10-17	0.00236	98903.	233.	790725.	6913226.	69.90	0.30	0.43	41
18-24	0.00159	98669.	157.	690089.	6122501.	62.05	0.24	0.39	33
25-29	0.00159	98513.	156.	492169.	5432412.	55.14	0.15	0.27	29
30-34	0.00219	98357.	215.	491282.	4940243.	50.23	0.12	0.24	37
35-39	0.00488	98142.	479.	489604.	4448961.	45.33	0.11	0.24	63
40-44	0.00826	97662.	807.	486461.	3959358.	40.54	0.08	0.20	83
45-49	0.01196	96856.	1159.	481775.	3472897.	35.86	0.08	0.22	114
50-54	0.02251	95697.	2154.	473574.	2991122.	31.26	0.06	0.19	225
55-59	0.03326	93543.	3111.	460482.	2517548.	26.91	0.04	0.15	334
60-64	0.05590	90432.	5055.	440508.	2057066.	22.75	0.04	0.18	515
65-69	0.07985	85377.	6817.	410899.	1616558.	18.93	0.03	0.16	669
70-74	0.11675	78560.	9172.	371109.	1205658.	15.35	0.02	0.13	875
75-79	0.19144	69388.	13284.	313732.	834550.	12.03	0.01	0.08	1162
80-84	0.29034	56105.	16289.	238659.	520818.	9.28	0.01	0.11	1311
85 UP	1.00000	39815.	39815.	282159.	282159.	7.09	0.01	0.14	2492

TABLE III-8
ABRIDGED LIFE TABLES WITH OTHER ACCIDENTAL DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00901	100000.	901.	99185.	7537950.	75.38	0.51	0.68	279
1- 4	0.00173	99099.	171.	395974.	7438765.	75.06	0.49	0.66	49
5- 9	0.00109	98928.	108.	494366.	7042791.	71.19	0.43	0.61	33
10-17	0.00349	98820.	345.	789828.	6548424.	66.27	0.41	0.62	125
18-24	0.00625	98475.	616.	686976.	5758596.	58.48	0.35	0.60	255
25-29	0.00417	97859.	408.	488261.	5071621.	51.83	0.31	0.60	150
30-34	0.00401	97451.	391.	486342.	4583360.	47.03	0.27	0.58	136
35-39	0.00677	97060.	658.	483785.	4097018.	42.21	0.25	0.60	176
40-44	0.01173	96403.	1130.	479419.	3613233.	37.48	0.23	0.62	236
45-49	0.01765	95272.	1681.	472729.	3133814.	32.89	0.21	0.64	336
50-54	0.03051	93591.	2856.	461443.	2661085.	28.43	0.20	0.71	598
55-59	0.04774	90735.	4332.	443604.	2199642.	24.24	0.18	0.75	918
60-64	0.07580	86403.	6549.	416920.	1756038.	20.32	0.15	0.74	1321
65-69	0.11489	79854.	9174.	377755.	1339119.	16.77	0.14	0.84	1805
70-74	0.16344	70679.	11552.	326076.	961364.	13.60	0.13	0.97	2153
75-79	0.24351	59127.	14398.	259641.	635288.	10.74	0.12	1.13	2487
80-84	0.34053	44729.	15231.	184501.	375647.	8.40	0.14	1.69	2369
85 UP	1.00000	29498.	29498.	191146.	191146.	6.48	0.15	2.37	3708

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.107 yrs.
Male = 0.148
Female= 0.147

Standard Error of Expectation of Life (e) at Age 65: Total = 0.071 yrs.
Male = 0.095
Female= 0.098

TABLE III-8,cont.

AGE	Q	I	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00953	100000.	953.	99137.	7165333.	71.65	0.58	0.82	153
1- 4	0.00207	99047.	205.	395681.	7066196.	71.34	0.57	0.81	30
5- 9	0.00160	98842.	158.	493808.	6670515.	67.49	0.51	0.76	25
10-17	0.00408	98684.	403.	788614.	6176707.	62.59	0.47	0.76	75
18-24	0.00997	98281.	980.	684230.	5388093.	54.82	0.40	0.74	199
25-29	0.00657	97301.	639.	484886.	4703862.	48.34	0.32	0.67	116
30-34	0.00583	96662.	563.	481996.	4218976.	43.65	0.29	0.67	99
35-39	0.00818	96099.	786.	478693.	3736980.	38.89	0.26	0.67	107
40-44	0.01557	95313.	1484.	473157.	3258297.	34.19	0.24	0.71	157
45-49	0.02303	93828.	2161.	464474.	2785141.	29.68	0.22	0.75	219
50-54	0.03885	91668.	3561.	450217.	2320667.	25.32	0.21	0.84	373
55-59	0.06421	88106.	5657.	427377.	1870449.	21.23	0.17	0.81	590
60-64	0.09836	82449.	8110.	393552.	1443072.	17.50	0.14	0.81	808
65-69	0.15532	74339.	11546.	344621.	1049520.	14.12	0.12	0.86	1139
70-74	0.22570	62793.	14173.	280447.	704899.	11.23	0.11	0.99	1282
75-79	0.32121	48620.	15617.	204059.	424452.	8.73	0.09	1.04	1332
80-84	0.43843	33003.	14470.	127828.	220393.	6.68	0.10	1.52	1074
85 UP	1.00000	18533.	18533.	92565.	92565.	4.99	0.10	2.04	1275
FEMALE									
0- 0	0.00844	100000.	844.	99236.	7907760.	79.08	0.41	0.52	126
1- 4	0.00137	99156.	136.	396287.	7808524.	78.75	0.39	0.50	19
5- 9	0.00054	99020.	54.	494962.	7412237.	74.86	0.33	0.44	8
10-17	0.00288	98966.	285.	791121.	6917275.	69.90	0.30	0.43	50
18-24	0.00269	98681.	266.	689756.	6126154.	62.08	0.27	0.44	56
25-29	0.00186	98416.	183.	491615.	5436398.	55.24	0.25	0.45	34
30-34	0.00219	98233.	215.	490663.	4944783.	50.34	0.23	0.46	37
35-39	0.00535	98018.	524.	488882.	4454120.	45.44	0.22	0.49	69
40-44	0.00786	97494.	767.	485710.	3965237.	40.67	0.21	0.52	79
45-49	0.01228	96727.	1188.	481071.	3479527.	35.97	0.19	0.53	117
50-54	0.02251	95540.	2150.	472796.	2998456.	31.38	0.18	0.58	225
55-59	0.03267	93389.	3051.	459853.	2525660.	27.04	0.17	0.63	328
60-64	0.05569	90338.	5031.	440096.	2065807.	22.87	0.16	0.70	513
65-69	0.07950	85308.	6782.	410635.	1625710.	19.06	0.16	0.85	666
70-74	0.11625	78526.	9128.	371040.	1215075.	15.47	0.14	0.91	871
75-79	0.19040	69397.	13213.	313955.	844035.	12.16	0.14	1.16	1155
80-84	0.28732	56184.	16143.	239436.	530080.	9.43	0.16	1.73	1295
85 UP	1.00000	40042.	40042.	290644.	290644.	7.26	0.18	2.54	2433

TABLE III-9
ABRIDGED LIFE TABLES WITH INFLUENZA AND PNEUMONIA DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00904	100000.	904.	99182.	7519450.	75.19	0.32	0.43	280
1- 4	0.00243	99096.	241.	395789.	7420268.	74.88	0.31	0.42	69
5- 9	0.00152	98855.	150.	493894.	7024479.	71.06	0.30	0.42	46
10-17	0.00433	98705.	428.	788731.	6530585.	66.16	0.30	0.46	155
18-24	0.00716	98277.	703.	685258.	5741855.	58.42	0.29	0.50	292
25-29	0.00475	97574.	464.	486694.	5056597.	51.82	0.30	0.58	171
30-34	0.00454	97110.	441.	484521.	4569903.	47.06	0.30	0.64	154
35-39	0.00712	96669.	688.	481760.	4085382.	42.26	0.30	0.71	185
40-44	0.01222	95981.	1173.	477213.	3603623.	37.55	0.30	0.81	246
45-49	0.01912	94808.	1718.	470330.	3126410.	32.98	0.30	0.92	345
50-54	0.03117	93090.	2901.	458837.	2656080.	28.53	0.30	1.06	611
55-59	0.04871	90189.	4393.	440732.	2197242.	24.36	0.30	1.25	937
60-64	0.07653	85796.	6570.	413837.	1756511.	20.47	0.30	1.49	1335
65-69	0.11453	79226.	9074.	374853.	1342674.	16.95	0.32	1.92	1799
70-74	0.16219	70153.	11377.	323855.	967820.	13.80	0.33	2.45	2135
75-79	0.24024	58775.	14120.	258576.	643965.	10.96	0.34	3.20	2449
80-84	0.33374	44655.	14903.	184975.	385390.	8.63	0.37	4.48	2312
85 UP	1.00000	29752.	29752.	200415.	200415.	6.74	0.41	6.48	3567

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

Standard Error of Expectation of Life (e) at Birth: Total = 0.110 yrs.
Male = 0.152
Female= 0.151

Standard Error of Expectation of Life (e) at Age 65: Total = 0.072 yrs.
Male = 0.097
Female= 0.099

TABLE III-9,cont.

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00947	100000.	947.	99143.	7133237.	71.33	0.26	0.37	152
1- 4	0.00275	99053.	273.	395538.	7034094.	71.01	0.24	0.34	40
5- 9	0.00205	98780.	202.	493386.	6638557.	67.21	0.23	0.34	32
10-17	0.00523	98578.	520.	787516.	6145171.	62.34	0.22	0.35	97
18-24	0.01151	98058.	1129.	682097.	5357655.	54.64	0.22	0.40	230
25-29	0.00736	96929.	713.	482836.	4675558.	48.24	0.22	0.46	130
30-34	0.00659	96215.	634.	479597.	4192722.	43.58	0.22	0.51	112
35-39	0.00887	95582.	848.	475954.	3713125.	38.85	0.22	0.57	116
40-44	0.01597	94734.	1513.	470198.	3237171.	34.17	0.22	0.65	161
45-49	0.02376	93221.	2215.	461322.	2766973.	29.68	0.22	0.75	226
50-54	0.04008	91007.	3647.	446716.	2305651.	25.34	0.23	0.92	385
55-59	0.06590	87359.	5757.	423411.	1858934.	21.28	0.22	1.04	606
60-64	0.09998	81602.	8159.	389206.	1435523.	17.59	0.23	1.32	822
65-69	0.15468	73443.	11361.	340577.	1046318.	14.25	0.25	1.79	1134
70-74	0.22460	62083.	13944.	277437.	705741.	11.37	0.25	2.25	1275
75-79	0.31736	48139.	15277.	202501.	428304.	8.90	0.26	3.01	1313
80-84	0.42985	32862.	14125.	129006.	225803.	6.87	0.29	4.41	1047
85 UP	1.00000	18736.	18736.	97797.	97797.	5.22	0.33	6.75	1220
FEMALE									
0- 0	0.00857	100000.	857.	99224.	7904417.	79.04	0.37	0.47	128
1- 4	0.00210	99143.	208.	396057.	7805193.	78.73	0.37	0.47	29
5- 9	0.00095	98935.	94.	494435.	7409136.	74.89	0.36	0.48	14
10-17	0.00333	98841.	330.	790023.	6914702.	69.96	0.36	0.52	58
18-24	0.00298	98511.	293.	688457.	6124678.	62.17	0.36	0.58	62
25-29	0.00224	98218.	220.	490530.	5436221.	55.35	0.36	0.65	41
30-34	0.00248	97997.	243.	489420.	4945691.	50.47	0.36	0.72	42
35-39	0.00535	97754.	523.	487567.	4456272.	45.59	0.37	0.82	69
40-44	0.00846	97232.	822.	484270.	3968705.	40.82	0.36	0.89	85
45-49	0.01249	96409.	1204.	479445.	3484435.	36.14	0.36	1.01	119
50-54	0.02261	95205.	2152.	471120.	3004989.	31.56	0.36	1.15	226
55-59	0.03296	93053.	3067.	458134.	2533870.	27.23	0.36	1.34	331
60-64	0.05569	89986.	5011.	438378.	2075736.	23.07	0.36	1.59	513
65-69	0.07939	84975.	6746.	409055.	1637357.	19.27	0.37	1.96	665
70-74	0.11486	78229.	8985.	369895.	1228302.	15.70	0.37	2.41	860
75-79	0.18756	69244.	12987.	313751.	858407.	12.40	0.38	3.16	1136
80-84	0.28162	56257.	15843.	240566.	544656.	9.68	0.41	4.42	1265
85 UP	1.00000	40413.	40413.	304091.	304091.	7.52	0.44	6.21	2347

TABLE III-10
ABRIDGED LIFE TABLES WITH COPD* DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00923	100000.	923.	99165.	7530965.	75.31	0.44	0.59	286
1- 4	0.00254	99077.	252.	395686.	7431800.	75.01	0.44	0.59	72
5- 9	0.00155	98825.	153.	493737.	7036113.	71.20	0.44	0.62	47
10-17	0.00436	98672.	430.	788462.	6542376.	66.30	0.44	0.67	156
18-24	0.00713	98242.	701.	685020.	5753914.	58.57	0.44	0.76	291
25-29	0.00475	97541.	464.	486530.	5068894.	51.97	0.45	0.87	171
30-34	0.00457	97077.	443.	484351.	4582364.	47.20	0.44	0.94	155
35-39	0.00716	96634.	692.	481575.	4098012.	42.41	0.45	1.07	186
40-44	0.01212	95942.	1163.	477042.	3616438.	37.69	0.44	1.18	244
45-49	0.01801	94779.	1707.	470209.	3139396.	33.12	0.44	1.35	343
50-54	0.03087	93072.	2873.	458810.	2669187.	28.68	0.45	1.59	605
55-59	0.04728	90199.	4265.	441080.	2210377.	24.51	0.45	1.87	909
60-64	0.07414	85934.	6371.	414986.	1769297.	20.59	0.42	2.08	1291
65-69	0.11127	79563.	8853.	377056.	1354311.	17.02	0.39	2.35	1745
70-74	0.15627	70710.	11050.	327418.	977255.	13.82	0.35	2.60	2051
75-79	0.23548	59660.	14049.	263179.	649837.	10.89	0.27	2.54	2394
80-84	0.33206	45612.	15146.	189133.	386658.	8.48	0.22	2.66	2298
85 UP	1.00000	30466.	30466.	197525.	197525.	6.48	0.15	2.37	3706

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

*COPD = CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Standard Error of Expectation of Life (e) at Birth: Total = 0.110 yrs.
Male = 0.153
Female= 0.149

Standard Error of Expectation of Life (e) at Age 65: Total = 0.071 yrs.
Male = 0.097
Female= 0.097

TABLE III-10,cont.

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00979	100000.	978.	99115.	7157418.	71.57	0.50	0.70	157
1- 4	0.00296	99022.	293.	395364.	7058303.	71.28	0.51	0.72	43
5- 9	0.00211	98729.	209.	493114.	6662940.	67.49	0.51	0.76	33
10-17	0.00533	98520.	525.	787046.	6169826.	62.62	0.50	0.80	98
18-24	0.01151	97995.	1128.	681663.	5382780.	54.93	0.51	0.94	230
25-29	0.00736	96867.	713.	482528.	4701117.	48.53	0.51	1.06	130
30-34	0.00665	96154.	639.	479279.	4218589.	43.87	0.51	1.18	113
35-39	0.00894	95515.	854.	475606.	3739310.	39.15	0.52	1.35	117
40-44	0.01597	94661.	1512.	469835.	3263704.	34.48	0.53	1.56	161
45-49	0.02355	93149.	2194.	461008.	2793870.	29.99	0.53	1.80	224
50-54	0.03957	90956.	3599.	446572.	2332862.	25.65	0.54	2.15	380
55-59	0.06315	87357.	5517.	423957.	1886290.	21.59	0.53	2.52	580
60-64	0.09778	81840.	8002.	390754.	1462333.	17.87	0.51	2.94	803
65-69	0.14948	73838.	11038.	343306.	1071579.	14.51	0.51	3.64	1093
70-74	0.21272	62800.	13359.	282407.	728273.	11.60	0.48	4.32	1200
75-79	0.30754	49441.	15205.	209194.	445865.	9.02	0.38	4.40	1265
80-84	0.41759	34236.	14297.	134438.	236672.	6.91	0.33	5.02	1009
85 UP	1.00000	19939.	19939.	102233.	102233.	5.13	0.24	4.91	1242
FEMALE									
0- 0	0.00864	100000.	864.	99218.	7898240.	78.98	0.31	0.39	129
1- 4	0.00210	99136.	208.	396031.	7799021.	78.67	0.31	0.40	29
5- 9	0.00095	98928.	94.	494401.	7402991.	74.83	0.30	0.40	14
10-17	0.00333	98834.	330.	789970.	6908589.	69.90	0.30	0.43	58
18-24	0.00293	98504.	289.	688429.	6118619.	62.12	0.31	0.50	61
25-29	0.00224	98216.	220.	490520.	5430190.	55.29	0.30	0.55	41
30-34	0.00248	97996.	243.	489410.	4939669.	50.41	0.30	0.60	42
35-39	0.00535	97753.	523.	487558.	4450259.	45.53	0.31	0.69	69
40-44	0.00826	97230.	803.	484305.	3962701.	40.76	0.30	0.74	83
45-49	0.01249	96427.	1204.	479532.	3478396.	36.07	0.29	0.81	119
50-54	0.02251	95223.	2143.	471226.	2998864.	31.49	0.29	0.93	225
55-59	0.03277	93079.	3050.	458306.	2527637.	27.16	0.29	1.08	329
60-64	0.05304	90029.	4775.	439141.	2069332.	22.99	0.28	1.23	488
65-69	0.07789	85254.	6641.	410700.	1630191.	19.12	0.22	1.16	652
70-74	0.11372	78614.	8940.	371926.	1219491.	15.51	0.18	1.17	851
75-79	0.18651	69674.	12995.	315882.	847565.	12.16	0.14	1.16	1129
80-84	0.28618	56679.	16220.	241708.	531683.	9.38	0.11	1.19	1289
85 UP	1.00000	40459.	40459.	289975.	289975.	7.17	0.09	1.27	2464

TABLE III-11
ABRIDGED LIFE TABLES WITH TOTAL RESPIRATORY* DEATHS ELIMINATED
BY SEX, VERMONT, 1979-82

TOTAL

AGE	Q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
0- 0	0.00888	100000.	888.	99197.	7662890.	76.63	1.76	2.35	275
1- 4	0.00229	99112.	227.	395887.	7563694.	76.31	1.74	2.33	65
5- 9	0.00152	98885.	150.	494043.	7167806.	72.49	1.73	2.44	46
10-17	0.00425	98735.	420.	788987.	6673763.	67.59	1.73	2.63	152
18-24	0.00706	98315.	694.	685560.	5884776.	59.86	1.73	2.98	288
25-29	0.00470	97621.	459.	486943.	5199216.	53.26	1.74	3.38	169
30-34	0.00451	97163.	438.	484790.	4712273.	48.50	1.74	3.72	153
35-39	0.00693	96724.	670.	482077.	4227483.	43.71	1.75	4.17	180
40-44	0.01123	96054.	1079.	477795.	3745406.	38.99	1.74	4.67	226
45-49	0.01655	94975.	1572.	471481.	3267610.	34.40	1.72	5.26	315
50-54	0.02719	93403.	2539.	461227.	2796129.	29.94	1.71	6.06	532
55-59	0.04091	90864.	3717.	445678.	2334902.	25.70	1.64	6.82	784
60-64	0.06405	87147.	5582.	422869.	1889224.	21.68	1.51	7.49	1110
65-69	0.09721	81565.	7929.	389232.	1466355.	17.98	1.35	8.12	1514
70-74	0.13876	73636.	10218.	344016.	1077123.	14.63	1.16	8.61	1805
75-79	0.21883	63418.	13878.	282397.	733107.	11.56	0.94	8.85	2204
80-84	0.30810	49540.	15264.	208474.	450710.	9.10	0.84	10.17	2101
85 UP	1.00000	34277.	34277.	242236.	242236.	7.07	0.74	11.69	3400

For definitions of the column headings and ICD 9 Cause codes, see Appendix B.

*TOTAL RESPIRATORY = INFLUENZA & PNEUMONIA, COPD, RESPIRATORY CANCER AND TUBERCULOSIS, AND OTHER RESPIRATORY.

Standard Error of Expectation of Life (e) at Birth: Total = 0.112 yrs.
Male = 0.158
Female= 0.151

Standard Error of Expectation of Life (e) at Age 65: Total = 0.074 yrs.
Male = 0.104
Female= 0.100

TABLE III-11,cont.

AGE	q	l	d	L	T	e	--INCREASE-- YRS.	PCT.	DEATHS
MALE									
0- 0	0.00935	100000.	935.	99154.	7305690.	73.06	1.99	2.80	150
1- 4	0.00262	99065.	259.	395621.	7206536.	72.75	1.98	2.80	38
5- 9	0.00205	98806.	202.	493516.	6810916.	68.93	1.95	2.91	32
10-17	0.00517	98604.	510.	787745.	6317400.	64.07	1.95	3.14	95
18-24	0.01146	98094.	1124.	682369.	5529655.	56.37	1.95	3.58	229
25-29	0.00725	96970.	703.	483067.	4847285.	49.99	1.97	4.10	128
30-34	0.00653	96267.	629.	479867.	4364218.	45.33	1.97	4.54	111
35-39	0.00872	95638.	834.	476271.	3884351.	40.61	1.98	5.13	114
40-44	0.01479	94805.	1402.	470807.	3408080.	35.95	2.00	5.89	149
45-49	0.02157	93403.	2015.	462664.	2937273.	31.45	1.99	6.75	205
50-54	0.03495	91388.	3185.	449679.	2474609.	27.08	1.97	7.85	334
55-59	0.05381	88203.	4746.	429990.	2024930.	22.96	1.90	9.02	492
60-64	0.08326	83457.	6948.	401268.	1594950.	19.11	1.75	10.08	679
65-69	0.12776	76508.	9774.	359621.	1193682.	15.60	1.60	11.43	924
70-74	0.18440	66734.	12306.	304566.	834061.	12.50	1.38	12.41	1025
75-79	0.28121	54428.	15306.	233875.	529495.	9.73	1.09	12.62	1139
80-84	0.37791	39122.	14785.	157614.	295620.	7.56	0.98	14.39	890
85 UP	1.00000	24337.	24337.	138006.	138006.	5.67	0.78	15.95	1123
FEMALE									
0- 0	0.00837	100000.	837.	99242.	8000444.	80.00	1.33	1.69	125
1- 4	0.00195	99163.	194.	396172.	7901202.	79.68	1.32	1.68	27
5- 9	0.00095	98969.	94.	494606.	7505030.	75.83	1.30	1.74	14
10-17	0.00328	98875.	324.	790309.	7010424.	70.90	1.30	1.87	57
18-24	0.00283	98551.	279.	688789.	6220116.	63.12	1.31	2.12	59
25-29	0.00224	98271.	220.	490799.	5531327.	56.29	1.30	2.36	41
30-34	0.00248	98051.	243.	489688.	5040528.	51.41	1.30	2.59	42
35-39	0.00512	97808.	500.	487886.	4550840.	46.53	1.31	2.90	66
40-44	0.00767	97308.	746.	484826.	4062954.	41.75	1.29	3.19	77
45-49	0.01155	96562.	1115.	480400.	3578128.	37.06	1.28	3.58	110
50-54	0.01983	95447.	1893.	472918.	3097728.	32.46	1.26	4.04	198
55-59	0.02913	93554.	2726.	461433.	2624810.	28.06	1.19	4.43	292
60-64	0.04698	90828.	4267.	444307.	2163378.	23.82	1.11	4.89	431
65-69	0.07073	86562.	6123.	418450.	1719071.	19.86	0.96	5.08	590
70-74	0.10470	80439.	8422.	382277.	1300620.	16.17	0.84	5.48	780
75-79	0.17687	72017.	12738.	328240.	918343.	12.75	0.73	6.07	1065
80-84	0.27128	59279.	16081.	255067.	590103.	9.95	0.68	7.34	1211
85 UP	1.00000	43198.	43198.	335036.	335036.	7.76	0.68	9.60	2277

APPENDIX A

DEFINITIONS OF THE COLUMN HEADINGS (FUNCTIONS)

BASIC ABRIDGED LIFE TABLES

AGE Age Interval. Each interval shown in this column is defined by two exact ages, x & x + n, except the last interval, 85 up, which extends up to include the last death in the population. 0-0 means from birth up to but not including the first birthday. 25-29 means from the 25th birthday up to but not including the 30th birthday.

Q Proportion dying. The proportion of those alive at the beginning of the age interval, x, who die during the interval; i.e., the probability of dying in that interval, x to x+n. Figure A-1 displays the increasing probability of dying with age, sexes combined, for Vermont, 1979-82.

l Number surviving. This column begins with the hypothetical cohort of 100,000 (the radix). Each successive figure represents the number of survivors at the beginning of the interval, x, from the radix. (See Figure A-2).

d Number dying during the interval x to x+n. This figure is the product of Q and l.

L The number of person-years lived by the total cohort in the interval x to x+n.

T The total number of person-years lived beyond age x; i.e., the sum of all L's beyond age x.

e Expectation of life at age X. This is the number of years, on the average, yet to be lived by a person of age x. e=T divided by l.

POPULATION The population of the area for which the life table is constructed multiplied by the number of aggregated years of deaths. In this report it is the April 1, 1980 U.S. Census count of population multiplied by four.

DEATHS The observed number of deaths for the area of concern for the four years 1979 through 1982. 1979 is chosen as the first year, rather than 1978 which would produce 5 years centering on 1980, because the ICD cause codes were revised for use beginning in 1979. (See Appendix B).

There is another set of figures used in life table construction that is not generally published. It is the values for "a", the fraction of the age interval at which the deaths for that interval could be considered to balance, i.e., the median point. For example; (1) the "a" for age 0 is very low because deaths during the first week of life dominate the first year interval; (2) the "a" for the 65-69 age interval (.531) is beyond the mid-point because the increasing probability of dying with age causes more deaths toward the end of the interval. Below are two sets of a's: (1) The set used in this report, calculated from Vermont death statistics for the years 1968-82. The "a" value for age 0 was calculated using the death detail by minutes, hours, days and months. For all other values of "a" the death detail by single year of age was used, assuming that all deaths for a single year would distribute evenly over the year. (2) The other set of a's are those developed by Chiang for the 1970 California population.

AGE	VERMONT, 1968-82	CALIF. 1970 (CHIANG)[1/]
0	.095	.09
1-4	.382	.41
5-9	.491	.44
10-14	.617	.54
15-19	.604	.59
20-24	.468	.49
25-29	.493	.51
30-34	.533	.52
35-39	.539	.53
40-44	.541	.54
45-49	.568	.53
50-54	.544	.53
55-59	.535	.52
60-64	.539	.52
65-69	.531	.51
70-74	.527	.52
75-79	.500	.51
80-84	.486	.50
85+	-	-
10-17	.734	
18-24	.455	

PROBABILITY OF DYING, BY AGE,
VERMONT, 1979-82
PROBABILITY OF DYING (Q)
0.3
0.2
0.1
0
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80
AGE

FIGURE A-1

NUMBER OF SURVIVORS PER 100,000 LIVE BIRTHS, BY AGE, VERMONT, 1979-82

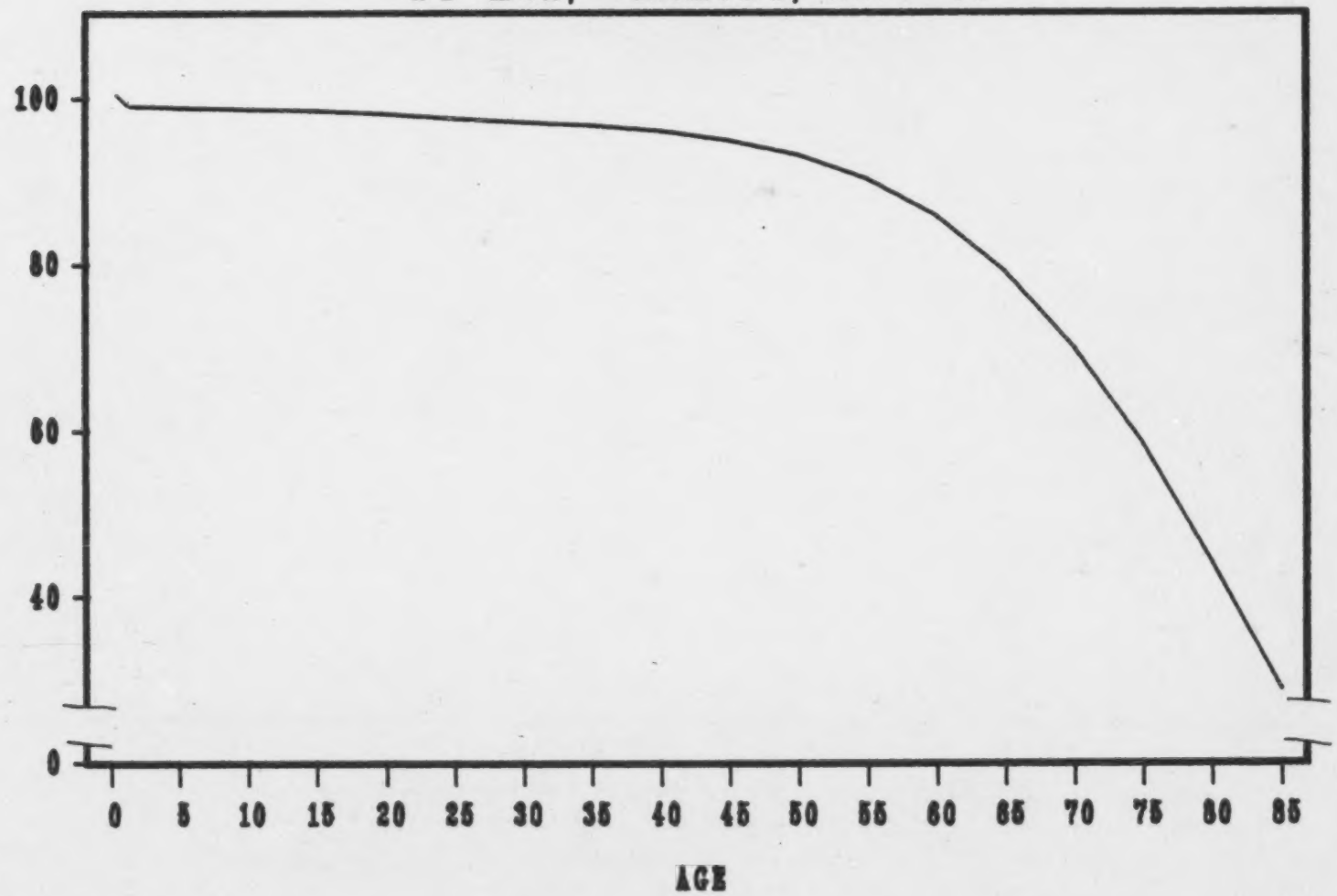


FIGURE A-2

APPENDIX B

DEFINITIONS OF THE COLUMN HEADINGS

CAUSE ELIMINATED LIFE TABLES

The cause eliminated abridged life tables were prepared on the assumption that the specified disease or accident was completely eliminated as a cause of death. The elimination of the specified cause of death should not be interpreted as implying the elimination of the corresponding disease or injury. Any interaction between diseases in accelerating the death of a person are implicitly assumed to continue intact, including those pertaining to the eliminated cause.6/

Columns one through seven (age through e) are defined exactly as for the basic abridged life table (Appendix A), except that Q is based on total deaths less those due to the specified cause eliminated.

The "population" column is not shown in the publication of these cause eliminated tables. It is exactly the same as shown in the basic tables for the same area. This means that when certain deaths are eliminated, the population is not reduced by that number; the population remains the same so that those dying from the specific cause remain to eventually die from all other causes proportionally.

The last column, "deaths", are those observed deaths for the area of concern less those having died from the specified eliminated cause.

The remaining two columns under the header "increase", represent the gain in years and percent gain in life expectancy, e, due to the elimination of deaths from the specified cause. The base e from which these columns are calculated is that found in the basic abridged life table for the same area and sex in Section II of this report.

CAUSES OF DEATH SELECTED FOR ELIMINATION

SHORT NAME	ICD 9*	DESCRIPTION
HEART	390-398, 402, 404-429	Diseases of the heart
CANCER	140-208	Malignant Neoplasms
STROKE	430-438	Cerebrovascular Disease
M.V. ACCIDENTS	E810-825	Motor Vehicle Accidents
OTHER ACCIDENTS	E800-807, 826-949	Other accidents (railway, water, air, falls, accidental poisoning, etc.)
INFLUENZA, PNEUMONIA	480-487	Part of Respiratory Group
COPD	490-496	Chronic Obstructive Pulmonary Disease & Allied Conditions
TOTAL RESPIRATORY	011-012 160-165 460-519	Respiratory Tuberculosis Respiratory Cancer Influenza, Pneumonia COPD and other Respiratory Diseases

*International Classification of Disease, Ninth Revision, 1977[4/]

APPENDIX C

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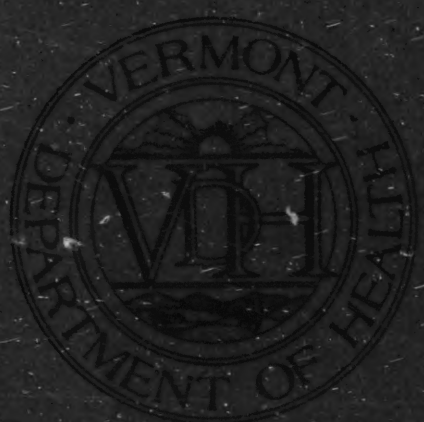

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